Acknowledgment and Notice of Acknowledgment of Acceptance of R.S. 2477 Right-of-Way Grant



#### THE STATE OF UTAH

# TO ALL WHOM THESE PRESENTS SHALL COME, Greeting:

**Know ye,** This is an Acknowledgment and Notice of Acknowledgment made under Utah Code Sections 72-5-309 through 310 inclusive, that the grant of the United States of America of "the right of way for the construction of highways over public lands, not reserved for public uses" under United States Revised Statutes 2477 (43 U.S.C. Section 932 (repealed October 21, 1976, with proviso recognizing the validity of rights-of-way already established)) was accepted for and on behalf of the State of Utah and its political subdivision Kane County as it pertains to the highway located in Kane County known as Sand Dunes Road; County Road Number: K1000; State Geographic Information Database (SGID) Road Identification Number: RD130001. Total road length is 19.96 miles more or less.

The reason for this Acknowledgment and Notice of Acknowledgment includes, but is not limited to, the fact that the road was constructed, mechanically, or by continuous use as a public highway for a period of at least ten years, over public lands not reserved for public uses, prior to the earlier of (a) the October 21, 1976 repeal of R.S. 2477 or (b) the date the servient estate was reserved for public uses.

This Acknowledgment and Notice of Acknowledgment applies only to the segments of the road that traverse land owned by the Bureau of Land Management, United States Department of the Interior, and does not apply to segments of the road that traverse land owned by any other person or entity. The State of Utah and its political subdivisions reserve the right to make further acknowledgments and notices of acknowledgment with regard to road segments that traverse land owned by other entities, including the United States of America, through one or more of its agencies.

A printed copy of a map showing the location of the road in said county is appended hereto as "Attachment 1," a printed copy of representative photos of the road is appended hereto as "Attachment 2," a printed copy of a description of the beginning and ending points of the entire road together with a list of Townships, Ranges and Sections that may be traversed by the road in said county is appended hereto as "Attachment 3," and a printed copy of the Road Centerline Description Cover Page(s) is appended hereto as "Attachment 4." The Appendices listed in "Attachment 4" that contain the actual road centerline descriptions are incorporated herein by reference. Affidavits provided by individuals familiar with the road are appended hereto as "Attachment 5."

A printed copy of this Acknowledgment and Notice of Acknowledgment, together with its Attachments and Appendices, may be viewed and/or obtained at the office of the Utah State Archives.

An electronic copy of this Acknowledgment and Notice of Acknowledgment, together with its Attachments and Appendices, may be viewed and/or downloaded as read-only PDF (Portable Document Format) files via the

Internet at http://recorded2477roads.utah.gov.

The owner of the servient estate in the land underlying the road-segments subject to this Acknowledgment and Notice is believed to be the United States of America through one or more of its agencies. Any of such agencies or any other person with a servient ownership claim or a competing dominant estate right-of-way ownership claim, may file a petition in the State District Court for Salt Lake County for a decision regarding the correctness of this Acknowledgment. A claimant shall file a petition within sixty (60) days after receipt of this Notice.

In Witness Whereof, I, John Harja, the official designee of the Governor of the State of Utah, in conformity to the laws of the State (Utah Code Sections 72-5-308 through 310 inclusive), have caused this Acknowledgment and Notice of Acknowledgment to be made.

Signed by my hand in Salt Lake City, Utah, the 12th day of Jane , 200 8.

By the Governor's Designee

# CERTIFICATION

State of Utah : SS County of Salt Lake

I hereby certify that the signer of the foregoing document, John Harja, is personally known by me, has made a voluntary signature and taken an oath stating that he is the official designee of the Governor of the State of Utah and is authorized to sign this document on the Governor's behalf pursuant to Utah Code Section 72-5-309. He further youched that, based upon information and belief, the facts alleged therein are true.

NOTARY PUBLIC PAMELA Z BLACKHAM 5110 State Office Bldg

Dated this 12 May of fune, 200 P.

Pamele 3. Blackhan

Notary Public

ENTRY NO. 0013987 06/19/2008 02:14:16 PM B: 0352 P: 0130 Easements and Right of Ways PAGE 2 / 13 VERJEAN CARUSO, KANE COUNTY RECORDER FEE \$ 0.00 BY GOVERNOR OF UTAH





Private

- SITLA, State Trust Land
- USFS. National Forest State Parks and Recreation
- Tribal, Indian Reservation NPS, National Park

UDWR Wildlife Reserve DOD, Military

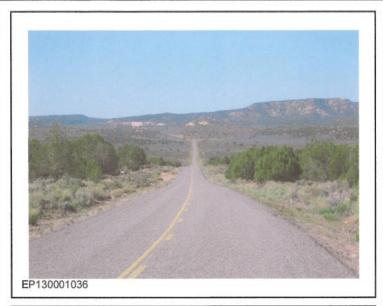
State Sovereign Land National Recreation Area USFWS, Natl. Wildlife Refuge Title V: Issued Or Under Consideration By BLM Or County Other Roads

Photo Event Point

Section = 1 Mile



# Attachment 2









ENTRY NO. 00139870
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Easements and Right of Ways PAGE 4 / 13
VERJEAN CARUSO, KANE COUNTY RECORDER
FEE \$ 0.00 BY GOVERNOR OF UTAH

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Sand Dunes Road - Kane County SGID RD\_ID RD130001

Map prepared by the State of Utah
Automated Geographic Reference Center
Room 5130 State Office Building
Salt Lake City, Utah 84114
June 10, 2008



#### Attachment 3

# Beginning & Ending Points and Township, Range, and Section References For:

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Total Road Length: 19.96 miles more or less.

**Beginning at a point** on the road centerline located at 37 degrees 00 minutes 1.5 seconds North Latitude and -112 degrees 51 minutes 41.39 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,242,814.2 feet and Y = 9,966,920.3 feet based on the US Survey Foot conversion.

Ending at a point on the road centerline located at 37 degrees 11 minutes 18.65 seconds North Latitude and -112 degrees 39 minutes 25.26 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,303,373.4 feet and Y = 10,034,599.2 feet based on the US Survey Foot conversion.

#### This road may traverse:

Township 42 South Range 7 West, Section(s) 5,8,17,18,19,30,31, Salt Lake Base & Meridian

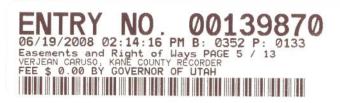
Township 43 South Range 7 West, Section(s) 6, Salt Lake Base & Meridian

Township 43 South Range 8 West, Section(s) 1,12,13,14,23,26,27,31,32,33,34, Salt Lake Base & Meridian

Township 43 South Range 9 West, Section(s) 35,36, Salt Lake Base & Meridian

Township 44 South Range 9 West, Section(s) 2,3,4,9, Salt Lake Base & Meridian

See Attachment 1 above for a cartographic depiction of the course of this road.



# Attachment 4 Road Centerline Description Cover Page(s)

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

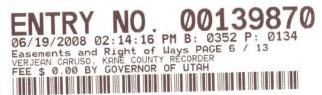
Total Road Length: 19.96 miles more or less.

Centerline Descriptions Of Road-Segments That Cross Over Federally Owned Land, Derived From Global Positioning System Data And Cross-checked against USGS Digital Orthophoto Quadrangles Compiled By The Utah Automated Geographic Reference Center And Entered Into The State Geographic Information Database (SGID).

Road-Segments	Road-Segment	Believed Ownership	Approximate	See Attached
Listed by SGID	Numbers	Of Servient Estate	Segment	Appendix
Road Identification	5		Length	
Number (RD_ID)				
RD130001	001	BLM	2.41 Miles	A
RD130001	002	ST	0.86 Miles	(not shown)
RD130001	003	BLM	0.15 Miles	В
RD130001	004	ST	1.03 Miles	(not shown)
RD130001	005	BLM	0.99 Miles	C
RD130001	006	ST	1.08 Miles	(not shown)
RD130001	007	BLM	0.81 Miles	D
RD130001	008	ST	0.52 Miles	(not shown)
RD130001	009	BLM	0.04 Miles	E
RD130001	010	ST	0.13 Miles	(not shown)
RD130001	011	BLM	0.06 Miles	F
RD130001	012	ST	2.32 Miles	(not shown)
RD130001	013	BLM	2.57 Miles	G
RD130001	014	PVT	0.18 Miles	(not shown)
RD130001	015	BLM	6.33 Miles	H
RD130001	016	BLM	0.19 Miles	I
RD130001	017	BLM	0.29 Miles	J
		Total Road Length	19.96	

<sup>\*</sup> Indicates that a Title V permit will be requested, is in process, or has been issued.

<sup>†</sup> Indicates that road-segments crossing Forest Service land are under consideration by the state and county as of the date of this Acknowledgment and Notice of Acknowledgment.



# Attachment 5

ENTRY NO. 00139870
06/19/2008 02:14:16 PM B: 0352 P: 0135
Easements and Right of Ways PAGE 7 / 13
VERJEAN CARUSO, KANE COUNTY RECORDER
FEE \$ 0.00 BY GOVERNOR OF UTAH

# AFFIDAVIT OF NORMAN CARROLL SAND DUNES ROAD

#### **COUNTY ROAD NUMBER K1000**

# KANE COUNTY, UTAH

State of Utah	)	
	:S	
County of Kane	)	

NORMAN CARROLL, being first duly sworn, deposes and states as follows:

- 1. I am an adult competent to testify about the matters set forth below based upon my personal knowledge. I currently reside in Orderville, Kane County. I was born in Kane County and have lived here my entire life, 77 years.
- 2. I have traveled and am familiar with a road in Kane County known as Sand Dunes Road. I am also familiar with the land the road traverses. When I first used and observed the road in the early 1940s, it followed the same route as in the 2006 when I last observed it. Attached is a Kane County map showing Sand Dunes Road. To the best of my knowledge and based upon my use of and familiarity with this road and the land it traverses, the location and route of the road are correctly illustrated on the attached map. The County also identifies this road according to the road number listed above.
- 3. I have observed that the road has been open to the public for all to use, to come and go as they pleased, since at least as early as the Early 1940s and continuing through 1976 to 2007. Throughout this time period I have observed travel on the road by various means, including automobiles, pickup trucks, and jeeps. Throughout this time period, the road has been used at least daily for more than ten continuous years prior to 1976, and is presently used daily.

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06/19/2008 02:14:16 PM B: 0352 P: 0136
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VERJEAN CARUSO, KANE COUNTY RECORDER
FEE \$ 0.00 BY GOVERNOR OF UTAH

4. Throughout the time period from the early 1940s to the present, I have used the road myself for livestock operations, travel in and through the area, hunting, sight seeing, and recreation.

5. Throughout the time period described in the previous paragraph, I have observed vehicles using the road at various times for the uses described in the previous paragraph, plus post cutting and wood gathering.

6. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least the late 1800's or early 1900's and continuing through 1976 to the present, for the uses described in the previous paragraphs. The pioneers used this road in the early settling of the area.

7. Prior to 1976, I participated personally in road maintenance and construction activities on the road. The road was paved to the Sand Dunes in the 1960s and later down to the state line.

Dated this 15 day of May, 2007.

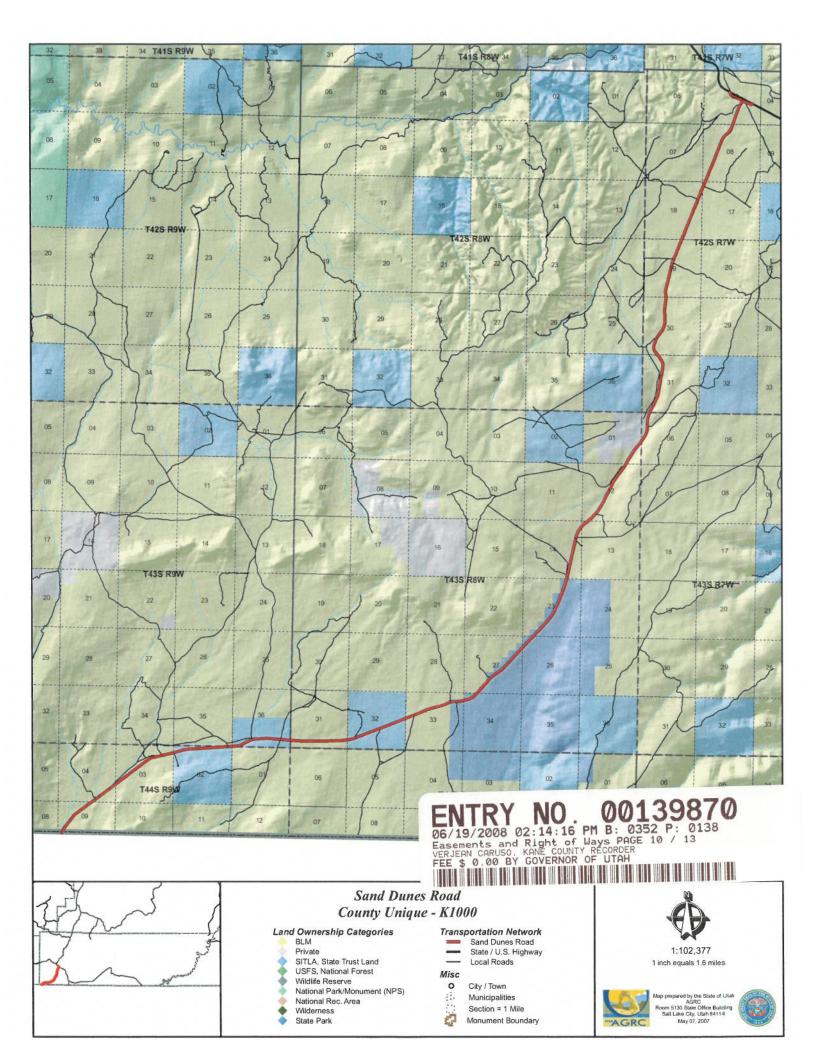
NORMAN CARROLL

SUBSCRIBED AND SWORN to before me this \_\_\_\_\_day of May, 2007.

Notary Public
GLORIA SCHRADER
5110 State Office Bidg.
Salt Lake City, UT 84114-2477
My Commission Expires
October 10, 2008
State of Utah

Moria Schrades
NOTARY PUBLIC

ENTRY NO. 00139870
06/19/2008 02:14:16 PM B: 0352 P: 0137
Easements and Right of Ways PAGE 9 / 13
VERJEAN CARUSO, KANE COUNTY RECORDER
FEE \$ 0.00 BY GOVERNOR OF UTAH



#### AFFIDAVIT OF KURT BRINKERHOFF

#### SAND DUNES ROAD

#### COUNTY ROAD NUMBER K1000

#### KANE COUNTY, UTAH

State of Utah	)
	: ss.
County of Kane	)

KURT BRINKERHOFF, being first duly sworn, deposes and states as follows:

- I am an adult competent to testify about the matters set forth below based upon my personal knowledge. I have lived in Kane County for 68 years. I was born July 6, 1939.
- 2. I have traveled and am familiar with a road in Kane County known as the Sand Dunes Road. I am also familiar with the land the road traverses. When I first used and observed the road in 1960, it followed the same route as in 2005 when I last observed it. Attached is a Kane County map showing Sand Dunes Road. To the best of my knowledge and based upon my use of and familiarity with this road and the land it traverses, the location and route of the road are correctly illustrated on the attached map. The County also identifies this road according to the road number listed above.
- 3. I have observed that the road has been open to the public for all to use, to come and go as they pleased, since at least as early 1960 and continuing through 1976 to 2005. Throughout this time period I have observed travel on the road by various means, including trucks, cars, motor homes, maintenance vehicles, commercial trucks, jeeps and ATV's. Throughout this time period, the road has been used daily, for more than ten continuous years prior to 1976, and continuing through 2005.

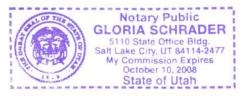
ENTRY NO. 00139870
06/19/2008 02:14:16 PM B: 0352 P: 0139
Easements and Right of Ways PAGE 11 / 13
VERJEAN CARUSO, KANE COUNTY RECORDER
FEE \$ 0.00 BY GOVERNOR OF UTAH

- 4. Throughout the time period from 1960 to 2005, I have used the road myself for hunting, picnicking, sight seeing and traveling in and through the area.
- 5. Throughout the time period described in the previous paragraph, I observed vehicles using the road at various times for the uses described in the previous paragraph, plus livestock operations, camping and government access.
- 6. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as the early 1900s and continuing through 1976 to the present, for the uses described in the previous paragraphs.
- 7. Prior to 1976, I observed graders performing maintenance and construction activities on the road. The road is now paved.

Dated this 15 day of May, 2007.

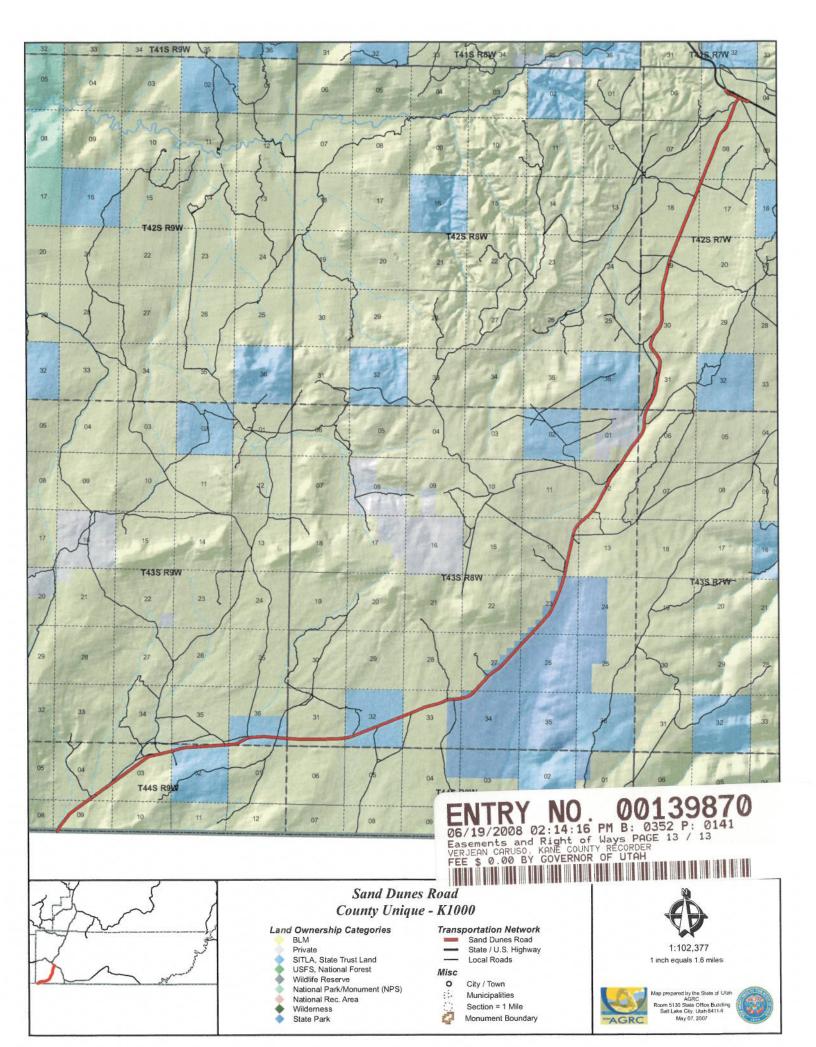
KURT BRINKERHOFF

SUBSCRIBED AND SWORN to before me this 15th day of May, 2007.



Slove Schrader NOTARY PUBLIC

ENTRY NO. 00139870
06/19/2008 02:14:16 PM B: 0352 P: 0140
Easements and Right of Ways PAGE 12 / 13
VERJEAN CARUSO, KANE COUNTY RECORDER
FEE \$ 0.00 BY GOVERNOR OF UTAH



# Appendix A to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 001

Road-Segment Length: 2.41 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 44 South Range 9 West, Section(s) 3,4,9, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 001 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 00 minutes 1.5 seconds North Latitude and -112 degrees 51 minutes 41.39 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,242,814.2 feet and Y = 9,966,920.3 feet; thence the following courses along the said road center line:

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thence North 23 Degrees 38 Minutes 27 Seconds East thence North 24 Degrees 12 Minutes 38 Seconds East 29.3 feet thence North 24 Degrees 52 Minutes 22 Seconds East 24 feet thence North 25 Degrees 04 Minutes 00 Seconds East 38.9 feet thence North 25 Degrees 20 Minutes 04 Seconds East 50.8 feet thence North 25 Degrees 56 Minutes 57 Seconds East 53.6 feet thence North 29 Degrees 13 Minutes 49 Seconds East 47 feet thence North 31 Degrees 40 Minutes 28 Seconds East 26.8 feet thence North 32 Degrees 44 Minutes 53 Seconds East 63.2 feet thence North 32 Degrees 40 Minutes 46 Seconds East 12.2 feet thence North 34 Degrees 20 Minutes 54 Seconds East 49.7 feet
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thence North 35 Degrees 37 Minutes 56 Seconds East 52.2 feet
thence North 36 Degrees 58 Minutes 52 Seconds East 52.9 feet
thence North 37 Degrees 39 Minutes 34 Seconds East 53.5 feet
thence North 39 Degrees 13 Minutes 23 Seconds East 55.3 feet
thence North 37 Degrees 31 Minutes 56 Seconds East 64.6 feet
thence North 36 Degrees 35 Minutes 39 Seconds East 69 feet
thence North 36 Degrees 46 Minutes 30 Seconds East 66.7 feet
thence North 36 Degrees 23 Minutes 07 Seconds East 62.6 feet
thence North 37 Degrees 45 Minutes 45 Seconds East 63.5 feet
thence North 37 Degrees 16 Minutes 37 Seconds East 66.1 feet
thence North 37 Degrees 35 Minutes 44 Seconds East 68 feet
thence North 37 Degrees 02 Minutes 48 Seconds East 68.2 feet
thence North 37 Degrees 36 Minutes 01 Seconds East 69.1 feet
thence North 37 Degrees 07 Minutes 25 Seconds East 72.4 feet
thence North 36 Degrees 21 Minutes 20 Seconds East 76 feet
thence North 36 Degrees 25 Minutes 44 Seconds East 77.9 feet
thence North 36 Degrees 31 Minutes 28 Seconds East 76.7 feet
thence North 36 Degrees 46 Minutes 07 Seconds East 73 feet
thence North 36 Degrees 58 Minutes 25 Seconds East 68.4 feet
thence North 38 Degrees 34 Minutes 32 Seconds East 63.8 feet
thence North 41 Degrees 05 Minutes 33 Seconds East 59.5 feet
thence North 43 Degrees 51 Minutes 07 Seconds East 55.6 feet
thence North 46 Degrees 33 Minutes 01 Seconds East 48.5 feet
thence North 48 Degrees 27 Minutes 03 Seconds East 32.4 feet
thence North 47 Degrees 06 Minutes 41 Seconds East 13.9 feet
thence North 49 Degrees 39 Minutes 23 Seconds East 25.8 feet
thence North 51 Degrees 45 Minutes 28 Seconds East 49.2 feet
thence North 53 Degrees 18 Minutes 55 Seconds East 70.1 feet
thence North 53 Degrees 36 Minutes 37 Seconds East 75 feet
thence North 53 Degrees 36 Minutes 45 Seconds East 75.3 feet
thence North 54 Degrees 28 Minutes 14 Seconds East 75.6 feet
thence North 53 Degrees 28 Minutes 03 Seconds East 76.5 feet
thence North 53 Degrees 37 Minutes 19 Seconds East 77.8 feet
thence North 53 Degrees 46 Minutes 54 Seconds East 79.3 feet
thence North 53 Degrees 09 Minutes 28 Seconds East 80.1 feet
thence North 53 Degrees 39 Minutes 31 Seconds East 80.7 feet
thence North 53 Degrees 43 Minutes 48 Seconds East 81.4 feet
thence North 52 Degrees 29 Minutes 56 Seconds East 81.9 feet
thence North 53 Degrees 08 Minutes 33 Seconds East 82.9 feet
thence North 54 Degrees 14 Minutes 20 Seconds East 82.7 feet
thence North 54 Degrees 36 Minutes 22 Seconds East 81.7 feet
thence North 54 Degrees 45 Minutes 07 Seconds East 80.4 feet
thence North 54 Degrees 16 Minutes 36 Seconds East 77.9 feet
thence North 53 Degrees 19 Minutes 40 Seconds East 76.1 feet
thence North 52 Degrees 55 Minutes 11 Seconds East 74 feet
thence North 53 Degrees 40 Minutes 28 Seconds East 72.4 feet
thence North 54 Degrees 06 Minutes 40 Seconds East 71.2 feet
thence North 53 Degrees 55 Minutes 53 Seconds East 69.8 feet
thence North 53 Degrees 36 Minutes 40 Seconds East 68.6 feet
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thence North 53 Degrees 07 Minutes 11 Seconds East 66.7 feet
thence North 53 Degrees 25 Minutes 13 Seconds East 64.5 feet
thence North 53 Degrees 08 Minutes 58 Seconds East 52.8 feet
thence North 53 Degrees 07 Minutes 00 Seconds East 8.3 feet
thence North 52 Degrees 26 Minutes 51 Seconds East 56 feet
thence North 51 Degrees 23 Minutes 17 Seconds East 50.9 feet
thence North 51 Degrees 55 Minutes 27 Seconds East 44.2 feet
thence North 53 Degrees 18 Minutes 51 Seconds East 38.3 feet
thence North 54 Degrees 26 Minutes 46 Seconds East 34.7 feet
thence North 54 Degrees 20 Minutes 29 Seconds East 31.6 feet
thence North 53 Degrees 58 Minutes 19 Seconds East 29 feet
thence North 54 Degrees 22 Minutes 58 Seconds East 20 feet
thence North 57 Degrees 32 Minutes 20 Seconds East 8.3 feet
thence North 52 Degrees 11 Minutes 12 Seconds East 10.9 feet
thence North 53 Degrees 02 Minutes 35 Seconds East 15.1 feet
thence North 53 Degrees 24 Minutes 09 Seconds East 24.9 feet
thence North 53 Degrees 10 Minutes 04 Seconds East 44 feet
thence North 53 Degrees 00 Minutes 52 Seconds East 39.5 feet
thence North 52 Degrees 57 Minutes 18 Seconds East 16.8 feet
thence North 53 Degrees 34 Minutes 04 Seconds East 64.4 feet
thence North 53 Degrees 59 Minutes 12 Seconds East 69.4 feet
thence North 54 Degrees 17 Minutes 55 Seconds East 71.1 feet
thence North 54 Degrees 53 Minutes 36 Seconds East 73.4 feet
thence North 54 Degrees 08 Minutes 18 Seconds East 17.7 feet
thence North 54 Degrees 10 Minutes 18 Seconds East 57.2 feet
thence North 53 Degrees 02 Minutes 17 Seconds East 75.3 feet
thence North 53 Degrees 20 Minutes 45 Seconds East 74.8 feet
thence North 53 Degrees 21 Minutes 33 Seconds East 73.6 feet
thence North 53 Degrees 35 Minutes 34 Seconds East 72.8 feet
thence North 53 Degrees 27 Minutes 33 Seconds East 72 feet
thence North 53 Degrees 07 Minutes 38 Seconds East 71.5 feet
thence North 53 Degrees 36 Minutes 36 Seconds East 71.1 feet
thence North 53 Degrees 39 Minutes 22 Seconds East 69.9 feet
thence North 53 Degrees 16 Minutes 58 Seconds East 67.6 feet
thence North 52 Degrees 57 Minutes 34 Seconds East 61.5 feet
thence North 53 Degrees 53 Minutes 49 Seconds East 51 feet
thence North 53 Degrees 15 Minutes 33 Seconds East 29.8 feet
thence North 50 Degrees 52 Minutes 01 Seconds East 11 feet
thence North 53 Degrees 15 Minutes 50 Seconds East 19.7 feet
thence North 53 Degrees 23 Minutes 26 Seconds East 41.2 feet
thence North 53 Degrees 29 Minutes 42 Seconds East 62.3 feet
thence North 53 Degrees 46 Minutes 47 Seconds East 73.5 feet
thence North 53 Degrees 42 Minutes 14 Seconds East 76 feet
thence North 53 Degrees 54 Minutes 41 Seconds East 77.8 feet
thence North 53 Degrees 48 Minutes 12 Seconds East 2.3 feet
thence North 53 Degrees 22 Minutes 26 Seconds East 75.8 feet
thence North 53 Degrees 16 Minutes 29 Seconds East 78.4 feet
thence North 53 Degrees 41 Minutes 40 Seconds East 79.5 feet
thence North 53 Degrees 48 Minutes 00 Seconds East 80.9 feet
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thence North 53 Degrees 38 Minutes 02 Seconds East 82.7 feet
thence North 53 Degrees 24 Minutes 32 Seconds East 84.4 feet
thence North 53 Degrees 16 Minutes 06 Seconds East 85.8 feet
thence North 53 Degrees 12 Minutes 18 Seconds East 86.3 feet
thence North 53 Degrees 20 Minutes 16 Seconds East 69.2 feet
thence North 53 Degrees 17 Minutes 59 Seconds East 16.5 feet
thence North 53 Degrees 06 Minutes 01 Seconds East 83.3 feet
thence North 53 Degrees 38 Minutes 28 Seconds East 80.6 feet
thence North 53 Degrees 08 Minutes 46 Seconds East 78.2 feet
thence North 53 Degrees 02 Minutes 34 Seconds East 77.2 feet
thence North 52 Degrees 52 Minutes 54 Seconds East 78.2 feet
thence North 52 Degrees 59 Minutes 37 Seconds East 79.9 feet
thence North 52 Degrees 58 Minutes 38 Seconds East 81.4 feet
thence North 52 Degrees 42 Minutes 15 Seconds East 81.3 feet
thence North 52 Degrees 40 Minutes 57 Seconds East 79.7 feet
thence North 53 Degrees 07 Minutes 48 Seconds East 78.6 feet
thence North 54 Degrees 09 Minutes 11 Seconds East 78.7 feet
thence North 53 Degrees 41 Minutes 35 Seconds East 75.2 feet
thence North 52 Degrees 27 Minutes 15 Seconds East 62.9 feet
thence North 52 Degrees 16 Minutes 34 Seconds East 41.8 feet
thence North 51 Degrees 54 Minutes 58 Seconds East 10.5 feet
thence North 48 Degrees 18 Minutes 15 Seconds East 5.6 feet
thence North 52 Degrees 13 Minutes 04 Seconds East 7.8 feet
thence North 52 Degrees 32 Minutes 54 Seconds East 23 feet
thence North 53 Degrees 18 Minutes 20 Seconds East 44.7 feet
thence North 53 Degrees 52 Minutes 26 Seconds East 66 feet
thence North 53 Degrees 20 Minutes 18 Seconds East 82 feet
thence North 52 Degrees 33 Minutes 51 Seconds East 87.6 feet
thence North 52 Degrees 44 Minutes 30 Seconds East 89 feet
thence North 52 Degrees 49 Minutes 49 Seconds East 89.2 feet
thence North 52 Degrees 46 Minutes 46 Seconds East 88.8 feet
thence North 53 Degrees 17 Minutes 42 Seconds East 88.2 feet
thence North 53 Degrees 10 Minutes 58 Seconds East 85.2 feet
thence North 52 Degrees 41 Minutes 48 Seconds East 82.2 feet
thence North 52 Degrees 26 Minutes 50 Seconds East 81.7 feet
thence North 52 Degrees 45 Minutes 43 Seconds East 83.5 feet
thence North 52 Degrees 59 Minutes 23 Seconds East 84.6 feet
thence North 53 Degrees 09 Minutes 22 Seconds East 86.4 feet
thence North 53 Degrees 32 Minutes 08 Seconds East 88.5 feet
thence North 53 Degrees 28 Minutes 04 Seconds East
                                                    90.8 feet
thence North 53 Degrees 27 Minutes 01 Seconds East
                                                    92.9 feet
thence North 53 Degrees 13 Minutes 09 Seconds East 94 feet
thence North 52 Degrees 59 Minutes 15 Seconds East
                                                    93.7 feet
thence North 52 Degrees 49 Minutes 07 Seconds East
                                                    93 feet
                                                    92.1 feet
thence North 52 Degrees 50 Minutes 05 Seconds East
thence North 53 Degrees 34 Minutes 09 Seconds East 91.6 feet
thence North 53 Degrees 16 Minutes 37 Seconds East 92.7 feet
thence North 53 Degrees 03 Minutes 43 Seconds East 94.4 feet
thence North 52 Degrees 34 Minutes 52 Seconds East 96.3 feet
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thence North 53 Degrees 11 Minutes 51 Seconds East 98.6 feet
thence North 53 Degrees 52 Minutes 55 Seconds East 97.7 feet
thence North 53 Degrees 44 Minutes 00 Seconds East 98 feet
thence North 53 Degrees 19 Minutes 10 Seconds East 98.6 feet
thence North 54 Degrees 03 Minutes 22 Seconds East 97.3 feet
thence North 55 Degrees 08 Minutes 00 Seconds East 95.6 feet
thence North 59 Degrees 29 Minutes 56 Seconds East 92 feet
thence North 65 Degrees 53 Minutes 13 Seconds East 89.3 feet
thence North 69 Degrees 56 Minutes 01 Seconds East 89.8 feet
thence North 73 Degrees 10 Minutes 36 Seconds East 90.5 feet
thence North 75 Degrees 48 Minutes 09 Seconds East 90.5 feet
thence North 77 Degrees 26 Minutes 28 Seconds East 92.8 feet
thence North 78 Degrees 13 Minutes 57 Seconds East 47.6 feet
thence North 77 Degrees 43 Minutes 17 Seconds East 311.1 feet
thence North 77 Degrees 43 Minutes 47 Seconds East 309 feet
thence North 77 Degrees 46 Minutes 07 Seconds East 3.5 feet
thence North 77 Degrees 51 Minutes 28 Seconds East 11.5 feet
thence North 77 Degrees 08 Minutes 22 Seconds East 32.1 feet
thence North 77 Degrees 07 Minutes 24 Seconds East 47.3 feet
thence North 77 Degrees 36 Minutes 01 Seconds East 51.9 feet
thence North 77 Degrees 02 Minutes 03 Seconds East 51.7 feet
thence North 76 Degrees 06 Minutes 38 Seconds East 20 feet
thence North 75 Degrees 33 Minutes 42 Seconds East 19.9 feet
thence North 74 Degrees 36 Minutes 11 Seconds East 6.8 feet
thence North 75 Degrees 24 Minutes 13 Seconds East 28.4 feet
thence North 75 Degrees 50 Minutes 12 Seconds East 45.6 feet
thence North 75 Degrees 32 Minutes 20 Seconds East 59.6 feet
thence North 75 Degrees 04 Minutes 34 Seconds East 75.2 feet
thence North 76 Degrees 12 Minutes 06 Seconds East 86 feet
thence North 76 Degrees 31 Minutes 47 Seconds East 89.8 feet
thence North 76 Degrees 14 Minutes 21 Seconds East 88.3 feet
thence North 75 Degrees 08 Minutes 17 Seconds East 87.2 feet
thence North 75 Degrees 15 Minutes 19 Seconds East 86.6 feet
thence North 75 Degrees 05 Minutes 47 Seconds East 86.5 feet
```

thence North 75 Degrees 45 Minutes 14 Seconds East 58.9 feet more or less to **the ending point at:** 37 degrees 01 minutes 14.48 seconds North Latitude and -112 degrees 49 minutes 37.91 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,252,934.5 feet and Y = 9,974,156.6 feet.

# Appendix B to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 003

Road-Segment Length: 0.15 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 43 South Range 9 West, Section(s) 35, Salt Lake Base & Meridian Township 44 South Range 9 West, Section(s) 2, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 003 based on mapping grade Global Positioning System (GPS) data as defined above:

Beginning at a point on the road center line located at 37 degrees 01 minutes 20.55 seconds North Latitude and -112 degrees 48 minutes 42.53 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,257,434.7 feet and Y = 9,974,707.1 feet; thence the following courses along the said road center line:

```
thence North 85 Degrees 41 Minutes 18 Seconds East 36.9 feet thence North 85 Degrees 22 Minutes 03 Seconds East 83.2 feet thence North 87 Degrees 04 Minutes 51 Seconds East 85 feet thence North 86 Degrees 39 Minutes 37 Seconds East 85.7 feet thence North 86 Degrees 41 Minutes 13 Seconds East 86.4 feet thence North 85 Degrees 37 Minutes 31 Seconds East 86.1 feet thence North 85 Degrees 06 Minutes 38 Seconds East 48.3 feet thence North 85 Degrees 08 Minutes 19 Seconds East 21.4 feet thence North 85 Degrees 05 Minutes 51 Seconds East 14.7 feet thence North 85 Degrees 27 Minutes 32 Seconds East 81.4 feet thence North 85 Degrees 59 Minutes 36 Seconds East 78.9 feet
```

thence North 85 Degrees 59 Minutes 56 Seconds East 77 feet

thence North 85 Degrees 59 Minutes 43 Seconds East 14.2 feet more or less to the ending point at: 37 degrees 01 minutes 21.21 seconds North Latitude and -112 degrees 48 minutes 32.71 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,258,231.8 feet and Y = 9,974,763.0 feet.

# Appendix C to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 005

Road-Segment Length: 0.99 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 43 South Range 8 West, Section(s) 31, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 005 based on mapping grade Global Positioning System (GPS) data as defined above:

Beginning at a point on the road center line located at 37 degrees 01 minutes 27.73 seconds North Latitude and -112 degrees 47 minutes 27.37 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,263,539.4 feet and Y = 9,975,348.6 feet; thence the following courses along the said road center line:

```
thence South 86 Degrees 16 Minutes 24 Seconds East 5.6 feet thence South 86 Degrees 26 Minutes 24 Seconds East 11.2 feet thence South 86 Degrees 09 Minutes 13 Seconds East 77.4 feet thence South 85 Degrees 49 Minutes 02 Seconds East 76.6 feet thence South 86 Degrees 26 Minutes 52 Seconds East 77.4 feet thence South 86 Degrees 13 Minutes 11 Seconds East 75.9 feet thence South 85 Degrees 56 Minutes 44 Seconds East 73.7 feet thence South 85 Degrees 44 Minutes 41 Seconds East 70 feet thence South 85 Degrees 56 Minutes 58 Seconds East 62 feet thence South 86 Degrees 24 Minutes 35 Seconds East 50.9 feet thence South 86 Degrees 35 Minutes 40 Seconds East 37.2 feet thence South 85 Degrees 25 Minutes 53 Seconds East 23.6 feet
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thence South 87 Degrees 03 Minutes 53 Seconds East 16.9 feet
thence South 87 Degrees 09 Minutes 02 Seconds East
                                                    34.2 feet
thence South 87 Degrees 12 Minutes 53 Seconds East 52.6 feet
thence South 85 Degrees 52 Minutes 51 Seconds East 71.7 feet
thence South 86 Degrees 50 Minutes 49 Seconds East 86.4 feet
thence South 87 Degrees 56 Minutes 55 Seconds East
                                                    90 feet
thence South 86 Degrees 48 Minutes 36 Seconds East 91.4 feet
thence South 86 Degrees 38 Minutes 56 Seconds East 92 feet
thence South 86 Degrees 42 Minutes 13 Seconds East 91.9 feet
thence South 87 Degrees 34 Minutes 59 Seconds East
                                                    90.4 feet
thence South 89 Degrees 31 Minutes 59 Seconds East 89.7 feet
thence North 89 Degrees 51 Minutes 26 Seconds East 90.7 feet
thence North 89 Degrees 18 Minutes 10 Seconds East
                                                   91.9 feet
thence North 88 Degrees 45 Minutes 30 Seconds East
                                                    92.6 feet
thence North 88 Degrees 10 Minutes 28 Seconds East
                                                   92.9 feet
thence North 88 Degrees 18 Minutes 25 Seconds East 93.7 feet
thence North 88 Degrees 02 Minutes 54 Seconds East 92.7 feet
thence North 88 Degrees 17 Minutes 35 Seconds East
                                                    90.1 feet
thence North 88 Degrees 24 Minutes 21 Seconds East
                                                    89.2 feet
thence North 88 Degrees 18 Minutes 26 Seconds East 91 feet
thence North 88 Degrees 39 Minutes 22 Seconds East 92.6 feet
thence North 89 Degrees 39 Minutes 05 Seconds East 93.2 feet
thence North 88 Degrees 44 Minutes 22 Seconds East
                                                    92.8 feet
thence North 89 Degrees 48 Minutes 50 Seconds East 92.4 feet
thence South 89 Degrees 38 Minutes 58 Seconds East 91.3 feet
thence North 88 Degrees 57 Minutes 09 Seconds East 91.6 feet
thence North 88 Degrees 52 Minutes 49 Seconds East
                                                    92.7 feet
thence North 89 Degrees 15 Minutes 06 Seconds East
                                                   93.9 feet
thence North 89 Degrees 53 Minutes 22 Seconds East 95.4 feet
thence North 89 Degrees 29 Minutes 47 Seconds East 95.9 feet
thence North 89 Degrees 01 Minutes 34 Seconds East
                                                   95.9 feet
                                                    94.9 feet
thence North 88 Degrees 40 Minutes 56 Seconds East
thence North 88 Degrees 17 Minutes 45 Seconds East 94.3 feet
thence North 88 Degrees 49 Minutes 34 Seconds East 93.4 feet
thence North 88 Degrees 30 Minutes 39 Seconds East 92.4 feet
thence North 89 Degrees 12 Minutes 30 Seconds East
                                                   93.3 feet
thence North 89 Degrees 04 Minutes 32 Seconds East
                                                   94.5 feet
thence North 87 Degrees 59 Minutes 36 Seconds East 93 feet
thence North 87 Degrees 31 Minutes 57 Seconds East 90.6 feet
thence North 88 Degrees 24 Minutes 15 Seconds East 87.7 feet
thence North 88 Degrees 06 Minutes 05 Seconds East 85.2 feet
thence North 88 Degrees 08 Minutes 22 Seconds East 83.7 feet
thence North 88 Degrees 35 Minutes 19 Seconds East 82 feet
thence North 88 Degrees 42 Minutes 56 Seconds East 79.3 feet
thence North 87 Degrees 52 Minutes 43 Seconds East 76.9 feet
thence North 87 Degrees 23 Minutes 19 Seconds East 77.7 feet
thence North 86 Degrees 01 Minutes 52 Seconds East 79.7 feet
thence North 84 Degrees 48 Minutes 16 Seconds East 81.3 feet
thence North 83 Degrees 45 Minutes 17 Seconds East 81.9 feet
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thence North 83 Degrees 57 Minutes 38 Seconds East 82.5 feet thence North 83 Degrees 49 Minutes 06 Seconds East 81.8 feet thence North 82 Degrees 33 Minutes 41 Seconds East 81.7 feet thence North 81 Degrees 41 Minutes 51 Seconds East 82.8 feet

thence North 81 Degrees 47 Minutes 28 Seconds East 11.4 feet more or less to **the ending point at:** 37 degrees 01 minutes 28.94 seconds North Latitude and -112 degrees 46 minutes 23.31 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,268,735.8 feet and Y = 9,975,399.2 feet.

# Appendix D to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 007

Road-Segment Length: 0.81 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 43 South Range 8 West, Section(s) 33, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 007 based on mapping grade Global Positioning System (GPS) data as defined above:

Beginning at a point on the road center line located at 37 degrees 01 minutes 49.39 seconds North Latitude and -112 degrees 45 minutes 17.94 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,274,063.8 feet and Y = 9,977,396.6 feet; thence the following courses along the said road center line:

```
thence North 68 Degrees 22 Minutes 46 Seconds East 6 feet thence North 68 Degrees 22 Minutes 21 Seconds East 74.8 feet thence North 68 Degrees 09 Minutes 41 Seconds East 93.2 feet thence North 68 Degrees 09 Minutes 11 Seconds East 92 feet thence North 69 Degrees 12 Minutes 47 Seconds East 91.9 feet thence North 68 Degrees 56 Minutes 55 Seconds East 92.5 feet thence North 67 Degrees 51 Minutes 54 Seconds East 92.6 feet thence North 67 Degrees 46 Minutes 55 Seconds East 92.6 feet thence North 68 Degrees 23 Minutes 52 Seconds East 92.4 feet thence North 68 Degrees 55 Minutes 37 Seconds East 92.4 feet thence North 68 Degrees 40 Minutes 53 Seconds East 37.1 feet thence North 68 Degrees 39 Minutes 35 Seconds East 55.9 feet
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thence North 68 Degrees 37 Minutes 20 Seconds East 93.7 feet
thence North 67 Degrees 44 Minutes 00 Seconds East
                                                    94.7 feet
thence North 67 Degrees 51 Minutes 18 Seconds East
                                                    95.1 feet
thence North 68 Degrees 12 Minutes 42 Seconds East
                                                    96.1 feet
thence North 66 Degrees 55 Minutes 45 Seconds East
                                                    97.9 feet
                                                    99 feet
thence North 67 Degrees 23 Minutes 44 Seconds East
thence North 66 Degrees 52 Minutes 47 Seconds East
                                                    97.6 feet
thence North 65 Degrees 53 Minutes 16 Seconds East
                                                    93.6 feet
thence North 65 Degrees 28 Minutes 58 Seconds East
                                                    90.4 feet
                                                    88.2 feet
thence North 66 Degrees 14 Minutes 49 Seconds East
thence North 66 Degrees 32 Minutes 09 Seconds East
                                                    86.1 feet
thence North 66 Degrees 54 Minutes 23 Seconds East 83.5 feet
thence North 68 Degrees 54 Minutes 08 Seconds East 81.6 feet
                                                    81 feet
thence North 70 Degrees 03 Minutes 05 Seconds East
thence North 72 Degrees 41 Minutes 18 Seconds East
                                                    80 feet
thence North 74 Degrees 23 Minutes 44 Seconds East
                                                    78.8 feet
thence North 74 Degrees 34 Minutes 23 Seconds East
                                                    77.8 feet
thence North 74 Degrees 22 Minutes 19 Seconds East
                                                    76.3 feet
thence North 75 Degrees 02 Minutes 54 Seconds East
                                                    74.9 feet
thence North 75 Degrees 32 Minutes 49 Seconds East 74.6 feet
thence North 74 Degrees 48 Minutes 52 Seconds East 74.2 feet
thence North 74 Degrees 07 Minutes 38 Seconds East 75.1 feet
thence North 74 Degrees 18 Minutes 53 Seconds East
                                                    81.4 feet
thence North 74 Degrees 47 Minutes 43 Seconds East 88.1 feet
thence North 74 Degrees 37 Minutes 34 Seconds East 91.3 feet
thence North 74 Degrees 06 Minutes 14 Seconds East 91.7 feet
                                                    93.1 feet
thence North 74 Degrees 28 Minutes 14 Seconds East
thence North 75 Degrees 16 Minutes 33 Seconds East
                                                    94.8 feet
thence North 74 Degrees 44 Minutes 44 Seconds East 95.2 feet
thence North 74 Degrees 38 Minutes 02 Seconds East
                                                    92 feet
thence North 74 Degrees 49 Minutes 27 Seconds East 87.9 feet
thence North 73 Degrees 06 Minutes 49 Seconds East
                                                    85.1 feet
thence North 68 Degrees 18 Minutes 18 Seconds East 83.1 feet
thence North 65 Degrees 04 Minutes 24 Seconds East 83.4 feet
thence North 64 Degrees 22 Minutes 33 Seconds East 84.8 feet
thence North 63 Degrees 03 Minutes 26 Seconds East 84.9 feet
thence North 64 Degrees 44 Minutes 36 Seconds East 83.7 feet
thence North 66 Degrees 00 Minutes 50 Seconds East 82.1 feet
```

thence North 66 Degrees 38 Minutes 02 Seconds East 53.1 feet more or less to **the ending point at:** 37 degrees 02 minutes 04.38 seconds North Latitude and -112 degrees 44 minutes 28.98 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,278,054.2 feet and Y = 9,978,859.5 feet.

# Appendix E to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 009

Road-Segment Length: 0.04 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 43 South Range 8 West, Section(s) 27, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 009 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 02 minutes 13.12 seconds North Latitude and -112 degrees 43 minutes 57.88 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,280,586.9 feet and Y = 9,979,710.0 feet; thence the following courses along the said road center line:

thence North 38 Degrees 22 Minutes 16 Seconds East 0.2 feet thence North 40 Degrees 59 Minutes 56 Seconds East 57.3 feet thence North 40 Degrees 28 Minutes 15 Seconds East 70.9 feet

thence North 40 Degrees 22 Minutes 24 Seconds East 57.1 feet more or less to **the ending point at:** 37 degrees 02 minutes 14.53 seconds North Latitude and -112 degrees 43 minutes 56.42 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,280,707.7 feet and Y = 9,979,850.9 feet.

# Appendix F to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 011

Road-Segment Length: 0.06 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 43 South Range 8 West, Section(s) 27, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 011 based on mapping grade Global Positioning System (GPS) data as defined above:

Beginning at a point on the road center line located at 37 degrees 02 minutes 19.71 seconds North Latitude and -112 degrees 43 minutes 50.85 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,281,166.4 feet and Y = 9,980,368.3 feet; thence the following courses along the said road center line:

thence North 42 Degrees 05 Minutes 22 Seconds East 15.7 feet thence North 42 Degrees 08 Minutes 10 Seconds East 83.7 feet thence North 42 Degrees 35 Minutes 16 Seconds East 82.7 feet thence North 42 Degrees 18 Minutes 39 Seconds East 81.4 feet

thence North 41 Degrees 43 Minutes 16 Seconds East 68.1 feet more or less to **the ending point at:** 37 degrees 02 minutes 22.16 seconds North Latitude and -112 degrees 43 minutes 48.14 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,281,389.1 feet and Y = 9,980,613.9 feet.

#### Appendix G to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 013

Road-Segment Length: 2.57 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 43 South Range 8 West, Section(s) 1,12,13,14, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 013 based on mapping grade Global Positioning System (GPS) data as defined above:

Beginning at a point on the road center line located at 37 degrees 03 minutes 57.57 seconds North Latitude and -112 degrees 42 minutes 19.39 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,288,709.0 feet and Y = 9,990,168.7 feet; thence the following courses along the said road center line:

```
thence North 18 Degrees 08 Minutes 43 Seconds East thence North 12 Degrees 47 Minutes 35 Seconds East thence North 13 Degrees 03 Minutes 04 Seconds East 79.4 feet thence North 13 Degrees 34 Minutes 19 Seconds East 78.3 feet thence North 13 Degrees 07 Minutes 33 Seconds East 30.1 feet thence North 13 Degrees 01 Minutes 10 Seconds East 43.7 feet thence North 12 Degrees 59 Minutes 43 Seconds East 74.4 feet thence North 12 Degrees 36 Minutes 51 Seconds East 72.4 feet thence North 12 Degrees 39 Minutes 08 Seconds East 69.6 feet thence North 12 Degrees 14 Minutes 43 Seconds East 65.3 feet thence North 11 Degrees 28 Minutes 52 Seconds East 56.8 feet
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thence North 12 Degrees 08 Minutes 07 Seconds East 37.4 feet
thence North 13 Degrees 19 Minutes 51 Seconds East 8.8 feet
thence North 11 Degrees 12 Minutes 13 Seconds East 10 feet
thence North 12 Degrees 18 Minutes 37 Seconds East 22.9 feet
thence North 12 Degrees 36 Minutes 23 Seconds East 47.2 feet
thence North 12 Degrees 26 Minutes 47 Seconds East 64.9 feet
thence North 12 Degrees 00 Minutes 03 Seconds East 74.5 feet
thence North 11 Degrees 55 Minutes 13 Seconds East 83.2 feet
thence North 12 Degrees 11 Minutes 20 Seconds East 85.2 feet
thence North 12 Degrees 47 Minutes 05 Seconds East 86.3 feet
thence North 13 Degrees 23 Minutes 14 Seconds East 87.6 feet
thence North 12 Degrees 07 Minutes 18 Seconds East 88.7 feet
thence North 11 Degrees 30 Minutes 33 Seconds East 89.7 feet
thence North 12 Degrees 29 Minutes 16 Seconds East 90.9 feet
thence North 12 Degrees 05 Minutes 27 Seconds East 92.3 feet
thence North 12 Degrees 14 Minutes 12 Seconds East 92.7 feet
thence North 12 Degrees 31 Minutes 40 Seconds East 93.2 feet
thence North 12 Degrees 37 Minutes 36 Seconds East
                                                    93.7 feet
thence North 12 Degrees 14 Minutes 20 Seconds East 94.1 feet
thence North 12 Degrees 21 Minutes 00 Seconds East 93.7 feet
thence North 12 Degrees 31 Minutes 11 Seconds East 92.9 feet
thence North 12 Degrees 48 Minutes 59 Seconds East 92.2 feet
thence North 12 Degrees 47 Minutes 56 Seconds East 91.4 feet
thence North 12 Degrees 49 Minutes 34 Seconds East 90.7 feet
thence North 12 Degrees 26 Minutes 57 Seconds East 89.3 feet
thence North 12 Degrees 36 Minutes 33 Seconds East 87 feet
thence North 12 Degrees 59 Minutes 06 Seconds East 84.5 feet
thence North 12 Degrees 28 Minutes 17 Seconds East 81.6 feet
thence North 13 Degrees 02 Minutes 07 Seconds East 78.9 feet
thence North 12 Degrees 27 Minutes 44 Seconds East
                                                    76.7 feet
                                                    74.9 feet
thence North 11 Degrees 59 Minutes 08 Seconds East
thence North 12 Degrees 09 Minutes 51 Seconds East 73.8 feet
thence North 12 Degrees 20 Minutes 35 Seconds East 70.5 feet
thence North 12 Degrees 20 Minutes 11 Seconds East 66.9 feet
thence North 12 Degrees 22 Minutes 52 Seconds East 64.5 feet
thence North 12 Degrees 27 Minutes 09 Seconds East 62 feet
thence North 12 Degrees 19 Minutes 31 Seconds East 59 feet
thence North 12 Degrees 49 Minutes 48 Seconds East 56.2 feet
thence North 12 Degrees 32 Minutes 20 Seconds East 54.4 feet
thence North 11 Degrees 35 Minutes 16 Seconds East 52.6 feet
thence North 12 Degrees 20 Minutes 05 Seconds East 51 feet
thence North 11 Degrees 54 Minutes 03 Seconds East 25.9 feet
thence North 11 Degrees 58 Minutes 18 Seconds East 26 feet
thence North 12 Degrees 58 Minutes 04 Seconds East 56.2 feet
thence North 13 Degrees 39 Minutes 20 Seconds East 55.3 feet
thence North 12 Degrees 53 Minutes 33 Seconds East 42.7 feet
thence North 11 Degrees 31 Minutes 53 Seconds East 21.6 feet
thence North 14 Degrees 15 Minutes 19 Seconds East 6.3 feet
thence North 11 Degrees 01 Minutes 12 Seconds East 1.5 feet
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thence North 10 Degrees 50 Minutes 52 Seconds East 10.7 feet
thence North 11 Degrees 04 Minutes 40 Seconds East 25.5 feet
thence North 10 Degrees 58 Minutes 01 Seconds East 41.7 feet
thence North 12 Degrees 27 Minutes 29 Seconds East 54.9 feet
thence North 15 Degrees 00 Minutes 31 Seconds East 64.3 feet
thence North 16 Degrees 40 Minutes 28 Seconds East 69.9 feet
thence North 19 Degrees 16 Minutes 12 Seconds East 75.6 feet
thence North 22 Degrees 16 Minutes 41 Seconds East 78.3 feet
thence North 25 Degrees 00 Minutes 47 Seconds East 78.6 feet
thence North 26 Degrees 42 Minutes 05 Seconds East 78.9 feet
thence North 28 Degrees 53 Minutes 25 Seconds East 78.5 feet
thence North 31 Degrees 00 Minutes 34 Seconds East 78.8 feet
thence North 33 Degrees 15 Minutes 13 Seconds East 78.4 feet
thence North 35 Degrees 36 Minutes 29 Seconds East 77 feet
thence North 36 Degrees 35 Minutes 05 Seconds East 76.2 feet
thence North 37 Degrees 38 Minutes 44 Seconds East 76.2 feet
thence North 39 Degrees 13 Minutes 33 Seconds East 76.5 feet
thence North 41 Degrees 33 Minutes 05 Seconds East 62.3 feet
thence North 41 Degrees 32 Minutes 46 Seconds East 13.9 feet
thence North 44 Degrees 01 Minutes 03 Seconds East 76.8 feet
thence North 48 Degrees 04 Minutes 28 Seconds East 78.7 feet
thence North 49 Degrees 51 Minutes 56 Seconds East 80.6 feet
thence North 50 Degrees 04 Minutes 11 Seconds East 81.5 feet
thence North 51 Degrees 07 Minutes 07 Seconds East 81.5 feet
thence North 50 Degrees 40 Minutes 16 Seconds East 81.3 feet
thence North 50 Degrees 30 Minutes 56 Seconds East 80.7 feet
thence North 49 Degrees 50 Minutes 06 Seconds East 79.7 feet
thence North 48 Degrees 23 Minutes 11 Seconds East 48.8 feet
thence North 48 Degrees 25 Minutes 55 Seconds East 30.7 feet
thence North 48 Degrees 02 Minutes 36 Seconds East 80.2 feet
thence North 48 Degrees 09 Minutes 40 Seconds East 80.9 feet
thence North 47 Degrees 44 Minutes 30 Seconds East 81.2 feet
thence North 46 Degrees 53 Minutes 14 Seconds East 80.6 feet
thence North 47 Degrees 05 Minutes 50 Seconds East 79.1 feet
thence North 46 Degrees 15 Minutes 32 Seconds East 76.4 feet
thence North 44 Degrees 36 Minutes 08 Seconds East 74.2 feet
thence North 43 Degrees 36 Minutes 29 Seconds East 72.4 feet
thence North 42 Degrees 55 Minutes 28 Seconds East 71.5 feet
thence North 41 Degrees 26 Minutes 12 Seconds East 71.9 feet
thence North 41 Degrees 13 Minutes 06 Seconds East 72.4 feet
thence North 40 Degrees 49 Minutes 33 Seconds East 40.4 feet
thence North 40 Degrees 51 Minutes 06 Seconds East 32.1 feet
thence North 40 Degrees 46 Minutes 49 Seconds East 73.5 feet
thence North 41 Degrees 25 Minutes 34 Seconds East 75.3 feet
thence North 40 Degrees 25 Minutes 54 Seconds East 76.2 feet
thence North 38 Degrees 52 Minutes 35 Seconds East 75.3 feet
thence North 37 Degrees 09 Minutes 54 Seconds East 73.9 feet
thence North 35 Degrees 21 Minutes 48 Seconds East 71.7 feet
thence North 33 Degrees 30 Minutes 51 Seconds East 68.5 feet
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thence North 31 Degrees 27 Minutes 31 Seconds East 63.7 feet
thence North 30 Degrees 10 Minutes 02 Seconds East 57.9 feet
thence North 28 Degrees 52 Minutes 17 Seconds East 51.2 feet
thence North 28 Degrees 44 Minutes 49 Seconds East 52.4 feet
thence North 29 Degrees 08 Minutes 49 Seconds East 64.4 feet
thence North 29 Degrees 00 Minutes 14 Seconds East 70.9 feet
thence North 28 Degrees 42 Minutes 36 Seconds East 73.9 feet
thence North 28 Degrees 34 Minutes 59 Seconds East 72.5 feet
thence North 28 Degrees 20 Minutes 06 Seconds East 70.6 feet
thence North 27 Degrees 31 Minutes 45 Seconds East 69 feet
thence North 27 Degrees 43 Minutes 58 Seconds East 66.9 feet
thence North 28 Degrees 06 Minutes 17 Seconds East 64.8 feet
thence North 28 Degrees 30 Minutes 03 Seconds East 63.1 feet
thence North 28 Degrees 03 Minutes 36 Seconds East 61.7 feet
thence North 27 Degrees 44 Minutes 21 Seconds East 59.1 feet
thence North 27 Degrees 06 Minutes 14 Seconds East 55.8 feet
thence North 27 Degrees 46 Minutes 09 Seconds East 51.2 feet
thence North 28 Degrees 33 Minutes 53 Seconds East 44.8 feet
thence North 28 Degrees 02 Minutes 50 Seconds East 34.6 feet
thence North 27 Degrees 22 Minutes 31 Seconds East 12.2 feet
thence North 27 Degrees 42 Minutes 15 Seconds East 24.1 feet
thence North 26 Degrees 42 Minutes 59 Seconds East 32.4 feet
thence North 26 Degrees 47 Minutes 50 Seconds East 43.5 feet
thence North 26 Degrees 22 Minutes 23 Seconds East 59.8 feet
thence North 26 Degrees 30 Minutes 17 Seconds East 69.4 feet
thence North 27 Degrees 13 Minutes 59 Seconds East 71.1 feet
thence North 27 Degrees 47 Minutes 12 Seconds East
                                                   71.7 feet
thence North 28 Degrees 35 Minutes 38 Seconds East 71.8 feet
thence North 28 Degrees 02 Minutes 57 Seconds East 72.5 feet
thence North 27 Degrees 29 Minutes 14 Seconds East 74.2 feet
thence North 27 Degrees 08 Minutes 40 Seconds East 77.3 feet
thence North 27 Degrees 22 Minutes 38 Seconds East 80.8 feet
thence North 27 Degrees 33 Minutes 02 Seconds East 83 feet
thence North 27 Degrees 19 Minutes 58 Seconds East 83.4 feet
thence North 26 Degrees 15 Minutes 16 Seconds East 83 feet
thence North 25 Degrees 27 Minutes 36 Seconds East 83.6 feet
thence North 24 Degrees 48 Minutes 59 Seconds East 84.8 feet
thence North 24 Degrees 27 Minutes 42 Seconds East 84.9 feet
thence North 24 Degrees 16 Minutes 04 Seconds East 85.9 feet
thence North 24 Degrees 16 Minutes 46 Seconds East 87.7 feet
thence North 24 Degrees 10 Minutes 10 Seconds East 88.7 feet
thence North 24 Degrees 50 Minutes 13 Seconds East 88.3 feet
thence North 25 Degrees 57 Minutes 39 Seconds East 85.8 feet
thence North 28 Degrees 37 Minutes 16 Seconds East 81.7 feet
thence North 31 Degrees 49 Minutes 53 Seconds East 78.8 feet
thence North 34 Degrees 33 Minutes 19 Seconds East 79 feet
thence North 36 Degrees 27 Minutes 12 Seconds East 80.5 feet
thence North 36 Degrees 36 Minutes 08 Seconds East 82.4 feet
thence North 36 Degrees 16 Minutes 32 Seconds East 82.9 feet
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thence North 36 Degrees 56 Minutes 42 Seconds East 82.3 feet
thence North 37 Degrees 31 Minutes 48 Seconds East 81.5 feet
thence North 36 Degrees 58 Minutes 06 Seconds East 82.2 feet
thence North 37 Degrees 28 Minutes 51 Seconds East 84.3 feet
thence North 37 Degrees 29 Minutes 38 Seconds East 85.5 feet
thence North 36 Degrees 18 Minutes 58 Seconds East 72.8 feet
thence North 36 Degrees 17 Minutes 41 Seconds East 11.9 feet
thence North 37 Degrees 17 Minutes 11 Seconds East 83 feet
thence North 36 Degrees 59 Minutes 58 Seconds East 81.5 feet
thence North 35 Degrees 21 Minutes 46 Seconds East 79.4 feet
thence North 34 Degrees 39 Minutes 50 Seconds East 77.5 feet
thence North 35 Degrees 10 Minutes 25 Seconds East 74.4 feet
thence North 34 Degrees 55 Minutes 23 Seconds East 68.8 feet
thence North 35 Degrees 01 Minutes 36 Seconds East 63.5 feet
thence North 35 Degrees 10 Minutes 36 Seconds East 59 feet
thence North 35 Degrees 13 Minutes 51 Seconds East 53.5 feet
thence North 35 Degrees 22 Minutes 53 Seconds East 43.9 feet
thence North 32 Degrees 24 Minutes 44 Seconds East 24.3 feet
thence North 33 Degrees 23 Minutes 58 Seconds East 10.1 feet
thence North 31 Degrees 59 Minutes 06 Seconds East 2.2 feet
thence North 31 Degrees 26 Minutes 22 Seconds East 18.1 feet
thence North 32 Degrees 14 Minutes 17 Seconds East 37.7 feet
thence North 31 Degrees 56 Minutes 25 Seconds East 52.2 feet
thence North 30 Degrees 46 Minutes 02 Seconds East 58.3 feet
thence North 31 Degrees 05 Minutes 29 Seconds East 61.7 feet
thence North 31 Degrees 17 Minutes 35 Seconds East 51.5 feet
thence North 31 Degrees 22 Minutes 13 Seconds East 4.6 feet
thence North 32 Degrees 16 Minutes 26 Seconds East 18.5 feet
thence North 31 Degrees 56 Minutes 07 Seconds East 23.5 feet
thence North 30 Degrees 14 Minutes 27 Seconds East 24.6 feet
thence North 29 Degrees 31 Minutes 03 Seconds East 51.6 feet
thence North 30 Degrees 17 Minutes 08 Seconds East 69 feet
thence North 30 Degrees 41 Minutes 45 Seconds East 71.6 feet
thence North 30 Degrees 32 Minutes 54 Seconds East 72.3 feet
thence North 30 Degrees 33 Minutes 03 Seconds East 73.8 feet
thence North 31 Degrees 38 Minutes 00 Seconds East 75.9 feet
thence North 32 Degrees 36 Minutes 40 Seconds East 77.4 feet
thence North 31 Degrees 41 Minutes 29 Seconds East 76.6 feet
thence North 31 Degrees 20 Minutes 48 Seconds East 74.7 feet
thence North 32 Degrees 07 Minutes 37 Seconds East 72.5 feet
thence North 32 Degrees 24 Minutes 35 Seconds East 64.8 feet
thence North 32 Degrees 39 Minutes 13 Seconds East 40.5 feet
thence North 31 Degrees 12 Minutes 21 Seconds East 13.3 feet
thence North 31 Degrees 36 Minutes 44 Seconds East 17.5 feet
thence North 31 Degrees 38 Minutes 46 Seconds East 49.4 feet
thence North 31 Degrees 56 Minutes 14 Seconds East 66.3 feet
thence North 32 Degrees 29 Minutes 56 Seconds East 66.6 feet
thence North 31 Degrees 39 Minutes 54 Seconds East 64 feet
thence North 31 Degrees 20 Minutes 54 Seconds East 58.7 feet
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thence North 32 Degrees 09 Minutes 02 Seconds East 48 feet thence North 33 Degrees 04 Minutes 33 Seconds East 14.5 feet thence North 32 Degrees 21 Minutes 47 Seconds East 16.6 feet thence North 31 Degrees 43 Minutes 49 Seconds East 25.6 feet thence North 31 Degrees 55 Minutes 53 Seconds East 46.9 feet thence North 31 Degrees 35 Minutes 39 Seconds East 64.4 feet thence North 32 Degrees 01 Minutes 27 Seconds East 72.8 feet
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thence North 33 Degrees 23 Minutes 58 Seconds East 22.4 feet more or less to **the ending point at:** 37 degrees 05 minutes 55.05 seconds North Latitude and -112 degrees 41 minutes 05.55 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,294,843.7 feet and Y = 10,001,973.8 feet.

# Appendix H to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 015

Road-Segment Length: 6.33 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 42 South Range 7 West, Section(s) 5,8,17,18,19,30,31, Salt Lake Base & Meridian Township 43 South Range 7 West, Section(s) 6, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 015 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 06 minutes 02.49 seconds North Latitude and -112 degrees 40 minutes 58.44 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,295,429.0 feet and Y = 10,002,718.9 feet; thence the following courses along the said road center line:

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thence North 38 Degrees 08 Minutes 40 Seconds East thence North 37 Degrees 01 Minutes 01 Seconds East 74.7 feet thence North 35 Degrees 09 Minutes 00 Seconds East 74.5 feet thence North 33 Degrees 43 Minutes 13 Seconds East 74.7 feet thence North 32 Degrees 04 Minutes 04 Seconds East 75.6 feet thence North 30 Degrees 59 Minutes 07 Seconds East 75.4 feet thence North 29 Degrees 50 Minutes 42 Seconds East 75.2 feet thence North 29 Degrees 48 Minutes 24 Seconds East 74.1 feet thence North 30 Degrees 03 Minutes 59 Seconds East 74.8 feet thence North 29 Degrees 01 Minutes 48 Seconds East 74.8 feet thence North 28 Degrees 35 Minutes 21 Seconds East 76.3 feet
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thence North 26 Degrees 36 Minutes 39 Seconds East 77.5 feet
thence North 21 Degrees 12 Minutes 04 Seconds East
                                                   79 feet
thence North 16 Degrees 59 Minutes 23 Seconds East 79.3 feet
thence North 13 Degrees 07 Minutes 56 Seconds East 79.6 feet
thence North 09 Degrees 10 Minutes 45 Seconds East 81 feet
thence North 05 Degrees 29 Minutes 53 Seconds East 81.3 feet
thence North 02 Degrees 13 Minutes 29 Seconds East 81.5 feet
thence North 01 Degrees 40 Minutes 00 Seconds East 81.7 feet
thence North 01 Degrees 17 Minutes 15 Seconds East 82.2 feet
thence North 00 Degrees 20 Minutes 40 Seconds East 82.9 feet
thence North 00 Degrees 13 Minutes 23 Seconds West 83.4 feet
thence North 00 Degrees 28 Minutes 46 Seconds East 83 feet
thence North 01 Degrees 06 Minutes 23 Seconds East 1.3 feet
thence North 01 Degrees 53 Minutes 32 Seconds East 85.3 feet
thence North 03 Degrees 49 Minutes 00 Seconds East 85.2 feet
thence North 06 Degrees 06 Minutes 48 Seconds East 84.4 feet
thence North 09 Degrees 14 Minutes 17 Seconds East 83.4 feet
thence North 09 Degrees 29 Minutes 13 Seconds East 82.3 feet
thence North 10 Degrees 10 Minutes 19 Seconds East 81 feet
thence North 12 Degrees 32 Minutes 33 Seconds East 80.4 feet
thence North 13 Degrees 44 Minutes 23 Seconds East 80.3 feet
thence North 13 Degrees 17 Minutes 58 Seconds East 78.8 feet
thence North 13 Degrees 55 Minutes 32 Seconds East 78.4 feet
thence North 15 Degrees 49 Minutes 45 Seconds East 78.4 feet
thence North 16 Degrees 54 Minutes 53 Seconds East 79.3 feet
thence North 18 Degrees 35 Minutes 00 Seconds East 78.5 feet
thence North 21 Degrees 48 Minutes 51 Seconds East 12.6 feet
thence North 21 Degrees 48 Minutes 42 Seconds East 63.7 feet
thence North 24 Degrees 45 Minutes 33 Seconds East 75.5 feet
thence North 26 Degrees 39 Minutes 53 Seconds East 75.4 feet
thence North 27 Degrees 36 Minutes 41 Seconds East
                                                   78 feet
thence North 27 Degrees 53 Minutes 29 Seconds East 81.6 feet
thence North 28 Degrees 29 Minutes 58 Seconds East 85 feet
thence North 28 Degrees 57 Minutes 31 Seconds East 87.1 feet
thence North 28 Degrees 57 Minutes 07 Seconds East 88.3 feet
thence North 28 Degrees 39 Minutes 04 Seconds East 89.2 feet
thence North 28 Degrees 02 Minutes 55 Seconds East 88.6 feet
thence North 27 Degrees 39 Minutes 00 Seconds East 87.4 feet
thence North 26 Degrees 45 Minutes 50 Seconds East 85.8 feet
thence North 27 Degrees 03 Minutes 02 Seconds East 84.4 feet
thence North 25 Degrees 37 Minutes 59 Seconds East 82.6 feet
thence North 24 Degrees 38 Minutes 49 Seconds East 80.6 feet
thence North 24 Degrees 41 Minutes 52 Seconds East 76.8 feet
thence North 23 Degrees 39 Minutes 38 Seconds East 69.5 feet
thence North 23 Degrees 18 Minutes 59 Seconds East 58.6 feet
thence North 23 Degrees 47 Minutes 31 Seconds East 39.6 feet
thence North 23 Degrees 32 Minutes 52 Seconds East 9.3 feet
thence North 26 Degrees 07 Minutes 47 Seconds East 5.8 feet
thence North 22 Degrees 49 Minutes 05 Seconds East 16.6 feet
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thence North 21 Degrees 52 Minutes 21 Seconds East 45.3 feet
thence North 21 Degrees 30 Minutes 01 Seconds East 68.8 feet
thence North 18 Degrees 57 Minutes 29 Seconds East 75.9 feet
thence North 16 Degrees 00 Minutes 59 Seconds East 76.3 feet
thence North 12 Degrees 34 Minutes 40 Seconds East 76.2 feet
thence North 11 Degrees 00 Minutes 34 Seconds East 77.5 feet
thence North 10 Degrees 04 Minutes 23 Seconds East 79.5 feet
thence North 09 Degrees 43 Minutes 35 Seconds East 79.6 feet
thence North 09 Degrees 36 Minutes 16 Seconds East 78.5 feet
thence North 09 Degrees 05 Minutes 57 Seconds East 77.2 feet
thence North 08 Degrees 41 Minutes 28 Seconds East 70.8 feet
thence North 09 Degrees 03 Minutes 21 Seconds East 64.2 feet
thence North 09 Degrees 03 Minutes 57 Seconds East 49.9 feet
thence North 08 Degrees 35 Minutes 50 Seconds East 15.1 feet
thence North 07 Degrees 51 Minutes 36 Seconds East 12.7 feet
thence North 08 Degrees 37 Minutes 51 Seconds East 15.4 feet
thence North 08 Degrees 14 Minutes 00 Seconds East 44.5 feet
thence North 08 Degrees 47 Minutes 01 Seconds East 67 feet
thence North 09 Degrees 27 Minutes 13 Seconds East 74.4 feet
thence North 09 Degrees 19 Minutes 30 Seconds East 72.3 feet
thence North 08 Degrees 50 Minutes 46 Seconds East 69.4 feet
thence North 08 Degrees 55 Minutes 47 Seconds East 66.6 feet
thence North 08 Degrees 58 Minutes 41 Seconds East 65.6 feet
thence North 10 Degrees 21 Minutes 31 Seconds East 65.3 feet
thence North 10 Degrees 39 Minutes 27 Seconds East 65.3 feet
thence North 10 Degrees 05 Minutes 02 Seconds East 67.1 feet
thence North 09 Degrees 56 Minutes 56 Seconds East 67.6 feet
thence North 09 Degrees 48 Minutes 48 Seconds East 68.8 feet
thence North 10 Degrees 12 Minutes 12 Seconds East 69.2 feet
thence North 11 Degrees 15 Minutes 10 Seconds East 67.7 feet
thence North 10 Degrees 31 Minutes 55 Seconds East 63.6 feet
thence North 09 Degrees 30 Minutes 20 Seconds East 58.2 feet
thence North 10 Degrees 09 Minutes 00 Seconds East 54.3 feet
thence North 11 Degrees 34 Minutes 41 Seconds East 50.1 feet
thence North 11 Degrees 55 Minutes 02 Seconds East 43.9 feet
thence North 10 Degrees 44 Minutes 18 Seconds East 7.9 feet
thence North 10 Degrees 43 Minutes 41 Seconds East 22.8 feet
thence North 10 Degrees 11 Minutes 24 Seconds East 6.7 feet
thence North 06 Degrees 17 Minutes 27 Seconds East 3.4 feet
thence North 09 Degrees 54 Minutes 46 Seconds East 8.3 feet
thence North 10 Degrees 09 Minutes 49 Seconds East 22.4 feet
thence North 11 Degrees 57 Minutes 20 Seconds East 39.8 feet
thence North 10 Degrees 06 Minutes 57 Seconds East 54.3 feet
thence North 08 Degrees 59 Minutes 18 Seconds East 71 feet
thence North 09 Degrees 43 Minutes 42 Seconds East 84.9 feet
thence North 10 Degrees 22 Minutes 45 Seconds East 88.8 feet
thence North 09 Degrees 18 Minutes 08 Seconds East 89.6 feet
thence North 07 Degrees 30 Minutes 59 Seconds East 89.9 feet
thence North 06 Degrees 05 Minutes 44 Seconds East 89.1 feet
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thence North 05 Degrees 32 Minutes 47 Seconds East 85.5 feet
thence North 02 Degrees 52 Minutes 55 Seconds East 79.4 feet
thence North 01 Degrees 19 Minutes 10 Seconds West 73.1 feet
thence North 06 Degrees 29 Minutes 09 Seconds West 69.9 feet
thence North 12 Degrees 09 Minutes 19 Seconds West 67.8 feet
thence North 16 Degrees 57 Minutes 46 Seconds West 65.4 feet
thence North 22 Degrees 38 Minutes 53 Seconds West 62.2 feet
thence North 27 Degrees 12 Minutes 49 Seconds West 58.8 feet
thence North 29 Degrees 07 Minutes 17 Seconds West 50.5 feet
thence North 30 Degrees 25 Minutes 12 Seconds West 34 feet
thence North 32 Degrees 36 Minutes 38 Seconds West 11.4 feet
thence North 32 Degrees 20 Minutes 00 Seconds West 5.4 feet
thence North 31 Degrees 41 Minutes 37 Seconds West 26.4 feet
thence North 31 Degrees 19 Minutes 24 Seconds West 42.4 feet
thence North 31 Degrees 47 Minutes 14 Seconds West 50.9 feet
thence North 32 Degrees 03 Minutes 44 Seconds West 58.7 feet
thence North 32 Degrees 12 Minutes 12 Seconds West 62.2 feet
thence North 32 Degrees 03 Minutes 36 Seconds West 64.1 feet
thence North 32 Degrees 20 Minutes 38 Seconds West 63.1 feet
thence North 33 Degrees 12 Minutes 47 Seconds West 61.1 feet
thence North 34 Degrees 49 Minutes 13 Seconds West 60.9 feet
thence North 36 Degrees 55 Minutes 47 Seconds West 66.7 feet
thence North 38 Degrees 31 Minutes 50 Seconds West 30.7 feet
thence North 38 Degrees 29 Minutes 29 Seconds West 41.5 feet
thence North 39 Degrees 17 Minutes 10 Seconds West 70.1 feet
thence North 40 Degrees 21 Minutes 29 Seconds West 67.2 feet
thence North 41 Degrees 11 Minutes 49 Seconds West 66.3 feet
thence North 40 Degrees 26 Minutes 54 Seconds West 64.3 feet
thence North 40 Degrees 45 Minutes 51 Seconds West 62 feet
thence North 39 Degrees 11 Minutes 01 Seconds West 59.3 feet
thence North 34 Degrees 19 Minutes 10 Seconds West 55.5 feet
thence North 27 Degrees 19 Minutes 19 Seconds West 52.3 feet
thence North 19 Degrees 55 Minutes 43 Seconds West 54.4 feet
thence North 12 Degrees 57 Minutes 00 Seconds West 57.9 feet
thence North 07 Degrees 42 Minutes 30 Seconds West 63 feet
thence North 02 Degrees 41 Minutes 45 Seconds West 66.5 feet
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thence North 19 Degrees 13 Minutes 24 Seconds East 60 feet
thence North 19 Degrees 51 Minutes 16 Seconds East 62.2 feet
thence North 20 Degrees 40 Minutes 46 Seconds East 64.7 feet
thence North 21 Degrees 25 Minutes 50 Seconds East 65.9 feet
thence North 22 Degrees 59 Minutes 13 Seconds East 68.1 feet
thence North 24 Degrees 14 Minutes 17 Seconds East 71.1 feet
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thence North 26 Degrees 35 Minutes 30 Seconds East 74 feet
thence North 28 Degrees 41 Minutes 00 Seconds East 75.4 feet
thence North 31 Degrees 11 Minutes 58 Seconds East 42.2 feet
thence North 31 Degrees 14 Minutes 00 Seconds East 32.8 feet
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thence North 35 Degrees 07 Minutes 27 Seconds East 69.8 feet
thence North 36 Degrees 20 Minutes 15 Seconds East 65.5 feet
thence North 37 Degrees 13 Minutes 43 Seconds East 61.3 feet
thence North 37 Degrees 01 Minutes 35 Seconds East 57.1 feet
thence North 36 Degrees 51 Minutes 48 Seconds East 50.1 feet
thence North 38 Degrees 28 Minutes 49 Seconds East 39.4 feet
thence North 39 Degrees 00 Minutes 27 Seconds East 13.8 feet
thence North 38 Degrees 35 Minutes 26 Seconds East 18.5 feet
thence North 37 Degrees 13 Minutes 30 Seconds East 28.5 feet
thence North 35 Degrees 54 Minutes 44 Seconds East 66.6 feet
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thence North 18 Degrees 18 Minutes 02 Seconds East 71.9 feet
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thence North 15 Degrees 46 Minutes 08 Seconds East 74.1 feet
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thence North 03 Degrees 28 Minutes 57 Seconds West 64.2 feet
thence North 02 Degrees 49 Minutes 26 Seconds West 62.4 feet
thence North 01 Degrees 59 Minutes 13 Seconds West 59.9 feet
thence North 01 Degrees 35 Minutes 14 Seconds West 56.6 feet
thence North 03 Degrees 14 Minutes 01 Seconds West 50.5 feet
thence North 02 Degrees 39 Minutes 58 Seconds West 42 feet
thence North 01 Degrees 30 Minutes 18 Seconds West 15.5 feet
thence North 01 Degrees 50 Minutes 03 Seconds West 19.5 feet
thence North 02 Degrees 15 Minutes 46 Seconds West 19.1 feet
thence North 01 Degrees 35 Minutes 36 Seconds West 27.4 feet
thence North 00 Degrees 49 Minutes 18 Seconds West 21.3 feet
thence North 00 Degrees 35 Minutes 52 Seconds West 6.1 feet
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thence North 09 Degrees 08 Minutes 52 Seconds East 54 feet
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thence North 21 Degrees 04 Minutes 43 Seconds East 4.9 feet
thence North 21 Degrees 33 Minutes 06 Seconds East 16.6 feet
thence North 23 Degrees 52 Minutes 16 Seconds East 30.5 feet
thence North 23 Degrees 22 Minutes 17 Seconds East 35.1 feet
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thence North 21 Degrees 13 Minutes 40 Seconds East 17.4 feet
thence North 21 Degrees 36 Minutes 06 Seconds East 7.6 feet
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thence North 21 Degrees 29 Minutes 55 Seconds East 31.9 feet
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thence North 21 Degrees 27 Minutes 11 Seconds East 80.3 feet
thence North 21 Degrees 35 Minutes 31 Seconds East 84.7 feet
thence North 21 Degrees 29 Minutes 36 Seconds East 86.5 feet
thence North 21 Degrees 26 Minutes 44 Seconds East 87.2 feet
thence North 21 Degrees 40 Minutes 18 Seconds East 86.2 feet
thence North 21 Degrees 26 Minutes 54 Seconds East 85.7 feet
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thence North 21 Degrees 24 Minutes 03 Seconds East 86.7 feet
thence North 21 Degrees 27 Minutes 57 Seconds East
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thence North 21 Degrees 38 Minutes 38 Seconds East 88.4 feet
thence North 22 Degrees 12 Minutes 58 Seconds East 87.9 feet
thence North 21 Degrees 55 Minutes 41 Seconds East 87.5 feet
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thence North 21 Degrees 33 Minutes 11 Seconds East 87.9 feet
thence North 21 Degrees 56 Minutes 34 Seconds East 88.6 feet
thence North 21 Degrees 51 Minutes 22 Seconds East 88.6 feet
thence North 21 Degrees 34 Minutes 51 Seconds East 88.1 feet
thence North 22 Degrees 00 Minutes 53 Seconds East 87.7 feet
thence North 22 Degrees 42 Minutes 08 Seconds East 86.9 feet
thence North 22 Degrees 00 Minutes 59 Seconds East 85.4 feet
thence North 20 Degrees 40 Minutes 57 Seconds East 55.7 feet
thence North 20 Degrees 40 Minutes 04 Seconds East 27.8 feet
thence North 20 Degrees 33 Minutes 45 Seconds East 82.6 feet
thence North 21 Degrees 31 Minutes 50 Seconds East 82.2 feet
thence North 21 Degrees 34 Minutes 55 Seconds East 81.8 feet
thence North 21 Degrees 49 Minutes 36 Seconds East 81.4 feet
thence North 21 Degrees 50 Minutes 53 Seconds East 81.4 feet
thence North 21 Degrees 44 Minutes 17 Seconds East 80.9 feet
thence North 21 Degrees 14 Minutes 41 Seconds East 79.2 feet
thence North 21 Degrees 03 Minutes 11 Seconds East 77.3 feet
thence North 21 Degrees 19 Minutes 28 Seconds East 75.5 feet
thence North 20 Degrees 57 Minutes 16 Seconds East 72.3 feet
thence North 21 Degrees 23 Minutes 47 Seconds East 68 feet
thence North 23 Degrees 13 Minutes 16 Seconds East 62 feet
thence North 22 Degrees 40 Minutes 18 Seconds East 52.6 feet
thence North 21 Degrees 43 Minutes 35 Seconds East 30.5 feet
thence North 21 Degrees 19 Minutes 22 Seconds East 5.6 feet
thence North 20 Degrees 27 Minutes 14 Seconds East 2.3 feet
thence North 20 Degrees 02 Minutes 45 Seconds East 13.1 feet
thence North 20 Degrees 14 Minutes 53 Seconds East 41.2 feet
thence North 20 Degrees 45 Minutes 12 Seconds East 68.3 feet
thence North 21 Degrees 14 Minutes 16 Seconds East 86.1 feet
thence North 21 Degrees 30 Minutes 47 Seconds East 94.1 feet
thence North 21 Degrees 22 Minutes 08 Seconds East 97 feet
thence North 21 Degrees 07 Minutes 44 Seconds East 98.2 feet
thence North 22 Degrees 04 Minutes 10 Seconds East 99.1 feet
thence North 21 Degrees 46 Minutes 58 Seconds East 100.8 feet
thence North 21 Degrees 33 Minutes 50 Seconds East 102.2 feet
thence North 21 Degrees 40 Minutes 24 Seconds East 102.1 feet
thence North 22 Degrees 11 Minutes 25 Seconds East 101 feet
thence North 22 Degrees 13 Minutes 52 Seconds East 98.7 feet
thence North 21 Degrees 13 Minutes 35 Seconds East 96.3 feet
thence North 21 Degrees 09 Minutes 56 Seconds East 92.5 feet
thence North 21 Degrees 23 Minutes 30 Seconds East 89.2 feet
thence North 21 Degrees 57 Minutes 41 Seconds East 86.5 feet
thence North 21 Degrees 58 Minutes 08 Seconds East 85.1 feet
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thence North 21 Degrees 39 Minutes 50 Seconds East 85.8 feet
thence North 21 Degrees 31 Minutes 59 Seconds East
                                                    87.6 feet
thence North 21 Degrees 46 Minutes 38 Seconds East 88.6 feet
thence North 22 Degrees 04 Minutes 09 Seconds East 86.7 feet
thence North 21 Degrees 21 Minutes 51 Seconds East 84.2 feet
thence North 21 Degrees 06 Minutes 44 Seconds East 83.5 feet
thence North 21 Degrees 52 Minutes 13 Seconds East 83.2 feet
thence North 22 Degrees 32 Minutes 33 Seconds East 82.8 feet
thence North 22 Degrees 05 Minutes 12 Seconds East 81 feet
thence North 21 Degrees 22 Minutes 21 Seconds East 79.2 feet
thence North 21 Degrees 56 Minutes 14 Seconds East 77.5 feet
thence North 21 Degrees 28 Minutes 03 Seconds East 75.7 feet
thence North 21 Degrees 52 Minutes 24 Seconds East 73.8 feet
thence North 22 Degrees 59 Minutes 59 Seconds East 68.6 feet
thence North 22 Degrees 36 Minutes 07 Seconds East 61.7 feet
thence North 22 Degrees 37 Minutes 53 Seconds East 54.8 feet
thence North 21 Degrees 51 Minutes 47 Seconds East 46.4 feet
thence North 21 Degrees 36 Minutes 21 Seconds East 32.5 feet
thence North 21 Degrees 25 Minutes 31 Seconds East 8.3 feet
thence North 28 Degrees 44 Minutes 08 Seconds East 6.8 feet
thence North 20 Degrees 56 Minutes 33 Seconds East 24.6 feet
thence North 21 Degrees 08 Minutes 13 Seconds East 50.7 feet
thence North 21 Degrees 09 Minutes 58 Seconds East 65.1 feet
thence North 21 Degrees 32 Minutes 05 Seconds East 67.9 feet
thence North 21 Degrees 27 Minutes 26 Seconds East 67.1 feet
thence North 21 Degrees 54 Minutes 27 Seconds East 40.3 feet
thence North 20 Degrees 25 Minutes 11 Seconds East 14.1 feet
thence North 21 Degrees 05 Minutes 12 Seconds East 18.2 feet
thence North 21 Degrees 06 Minutes 22 Seconds East 49.4 feet
thence North 20 Degrees 54 Minutes 52 Seconds East 71 feet
thence North 21 Degrees 31 Minutes 32 Seconds East 85.5 feet
thence North 21 Degrees 24 Minutes 10 Seconds East 92 feet
thence North 20 Degrees 19 Minutes 09 Seconds East 95.4 feet
thence North 21 Degrees 08 Minutes 59 Seconds East 97.1 feet
thence North 22 Degrees 12 Minutes 46 Seconds East 95.8 feet
thence North 21 Degrees 37 Minutes 21 Seconds East 92.3 feet
thence North 21 Degrees 07 Minutes 35 Seconds East 71.2 feet
thence North 21 Degrees 03 Minutes 25 Seconds East 17.8 feet
thence North 22 Degrees 10 Minutes 41 Seconds East 87.1 feet
thence North 22 Degrees 14 Minutes 28 Seconds East 78.7 feet
thence North 22 Degrees 09 Minutes 01 Seconds East 8.2 feet
thence North 21 Degrees 40 Minutes 24 Seconds East 87.1 feet
thence North 21 Degrees 03 Minutes 18 Seconds East 88.4 feet
thence North 21 Degrees 31 Minutes 42 Seconds East 89.8 feet
thence North 21 Degrees 33 Minutes 05 Seconds East 90.4 feet
thence North 21 Degrees 33 Minutes 19 Seconds East 67.8 feet
thence North 21 Degrees 34 Minutes 10 Seconds East 23.1 feet
thence North 21 Degrees 35 Minutes 36 Seconds East 91.2 feet
thence North 21 Degrees 44 Minutes 18 Seconds East 91.3 feet
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thence North 21 Degrees 20 Minutes 27 Seconds East 91.3 feet
thence North 21 Degrees 48 Minutes 00 Seconds East 92.4 feet
thence North 21 Degrees 25 Minutes 10 Seconds East 93.5 feet
thence North 21 Degrees 29 Minutes 39 Seconds East 95 feet
thence North 21 Degrees 35 Minutes 05 Seconds East
                                                    96.6 feet
thence North 21 Degrees 38 Minutes 12 Seconds East
                                                    98.4 feet
thence North 22 Degrees 02 Minutes 15 Seconds East 99.8 feet
thence North 21 Degrees 50 Minutes 13 Seconds East 101.1 feet
thence North 21 Degrees 13 Minutes 56 Seconds East 102.2 feet
thence North 21 Degrees 54 Minutes 31 Seconds East 100.5 feet
thence North 22 Degrees 15 Minutes 26 Seconds East 98.9 feet
thence North 21 Degrees 19 Minutes 46 Seconds East 97.2 feet
thence North 21 Degrees 42 Minutes 22 Seconds East 95.7 feet
thence North 22 Degrees 24 Minutes 39 Seconds East 93.7 feet
thence North 21 Degrees 55 Minutes 42 Seconds East 92.4 feet
thence North 21 Degrees 39 Minutes 03 Seconds East 88.5 feet
thence North 21 Degrees 39 Minutes 45 Seconds East 81.8 feet
thence North 21 Degrees 31 Minutes 55 Seconds East 75.5 feet
thence North 21 Degrees 34 Minutes 40 Seconds East 70.8 feet
thence North 21 Degrees 50 Minutes 09 Seconds East 66.2 feet
thence North 21 Degrees 56 Minutes 46 Seconds East 61.5 feet
thence North 22 Degrees 29 Minutes 51 Seconds East 54.4 feet
thence North 21 Degrees 38 Minutes 47 Seconds East 40.6 feet
thence North 20 Degrees 44 Minutes 42 Seconds East 11.4 feet
thence North 21 Degrees 04 Minutes 41 Seconds East 10.5 feet
thence North 21 Degrees 22 Minutes 15 Seconds East 38 feet
thence North 21 Degrees 28 Minutes 35 Seconds East 75.5 feet
thence North 21 Degrees 32 Minutes 43 Seconds East 86 feet
thence North 22 Degrees 33 Minutes 09 Seconds East 88 feet
thence North 22 Degrees 12 Minutes 30 Seconds East 86.3 feet
thence North 21 Degrees 33 Minutes 01 Seconds East 84.1 feet
thence North 21 Degrees 32 Minutes 17 Seconds East 83.4 feet
thence North 21 Degrees 39 Minutes 33 Seconds East 81.2 feet
thence North 20 Degrees 55 Minutes 20 Seconds East 79.2 feet
thence North 21 Degrees 15 Minutes 55 Seconds East 76 feet
thence North 21 Degrees 28 Minutes 45 Seconds East 70.4 feet
thence North 21 Degrees 31 Minutes 51 Seconds East 63.2 feet
thence North 21 Degrees 14 Minutes 20 Seconds East 49.2 feet
thence North 21 Degrees 24 Minutes 15 Seconds East 23.3 feet
thence North 20 Degrees 15 Minutes 48 Seconds East 6.4 feet
thence North 21 Degrees 29 Minutes 44 Seconds East 26.4 feet
thence North 21 Degrees 11 Minutes 24 Seconds East 53.7 feet
thence North 21 Degrees 11 Minutes 17 Seconds East 71.9 feet
thence North 21 Degrees 25 Minutes 26 Seconds East 82.3 feet
thence North 20 Degrees 54 Minutes 42 Seconds East 84.2 feet
thence North 21 Degrees 24 Minutes 26 Seconds East 86 feet
thence North 21 Degrees 31 Minutes 29 Seconds East 87.4 feet
thence North 21 Degrees 38 Minutes 51 Seconds East 88.1 feet
thence North 21 Degrees 45 Minutes 27 Seconds East 88.4 feet
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thence North 21 Degrees 40 Minutes 00 Seconds East 90.6 feet
thence North 22 Degrees 02 Minutes 57 Seconds East
thence North 24 Degrees 09 Minutes 30 Seconds East 88.3 feet
thence North 27 Degrees 27 Minutes 12 Seconds East 84.7 feet
thence North 31 Degrees 14 Minutes 15 Seconds East 79.7 feet
thence North 34 Degrees 22 Minutes 30 Seconds East 73.6 feet
thence North 38 Degrees 19 Minutes 40 Seconds East 67.2 feet
thence North 41 Degrees 36 Minutes 01 Seconds East 60.8 feet
thence North 43 Degrees 53 Minutes 29 Seconds East 50.5 feet
thence North 47 Degrees 14 Minutes 13 Seconds East 37.3 feet
thence North 48 Degrees 52 Minutes 49 Seconds East 10.8 feet
thence North 51 Degrees 38 Minutes 04 Seconds East 10 feet
thence North 49 Degrees 17 Minutes 54 Seconds East 37.1 feet
thence North 51 Degrees 19 Minutes 35 Seconds East 64.2 feet
thence North 52 Degrees 51 Minutes 44 Seconds East 75.2 feet
thence North 53 Degrees 52 Minutes 41 Seconds East 79.5 feet
thence North 53 Degrees 10 Minutes 05 Seconds East 80.7 feet
thence North 47 Degrees 39 Minutes 34 Seconds East 80.6 feet
thence North 42 Degrees 20 Minutes 45 Seconds East 81.1 feet
thence North 37 Degrees 09 Minutes 35 Seconds East 83.9 feet
thence North 31 Degrees 39 Minutes 17 Seconds East 86.2 feet
thence North 25 Degrees 59 Minutes 16 Seconds East 85.7 feet
thence North 22 Degrees 05 Minutes 32 Seconds East 84.4 feet
thence North 20 Degrees 11 Minutes 20 Seconds East 82.8 feet
thence North 19 Degrees 31 Minutes 39 Seconds East 82.8 feet
thence North 19 Degrees 26 Minutes 22 Seconds East 83.9 feet
thence North 19 Degrees 37 Minutes 14 Seconds East 85.3 feet
thence North 19 Degrees 58 Minutes 12 Seconds East 85.6 feet
thence North 19 Degrees 55 Minutes 55 Seconds East 4.7 feet
thence North 20 Degrees 03 Minutes 07 Seconds East 81.3 feet
thence North 19 Degrees 17 Minutes 37 Seconds East 86.2 feet
thence North 19 Degrees 24 Minutes 24 Seconds East 86.1 feet
thence North 19 Degrees 59 Minutes 02 Seconds East 85.9 feet
thence North 19 Degrees 15 Minutes 11 Seconds East 86.7 feet
thence North 19 Degrees 58 Minutes 16 Seconds East 88.1 feet
thence North 19 Degrees 53 Minutes 52 Seconds East 92.1 feet
thence North 19 Degrees 10 Minutes 05 Seconds East 90.4 feet
thence North 20 Degrees 03 Minutes 46 Seconds East 84.5 feet
thence North 20 Degrees 00 Minutes 28 Seconds East 81 feet
thence North 19 Degrees 53 Minutes 46 Seconds East 80.3 feet
thence North 20 Degrees 23 Minutes 10 Seconds East 78.7 feet
thence North 19 Degrees 56 Minutes 30 Seconds East 76.7 feet
thence North 19 Degrees 14 Minutes 51 Seconds East 74.8 feet
thence North 18 Degrees 48 Minutes 42 Seconds East 73.7 feet
thence North 18 Degrees 56 Minutes 45 Seconds East 72.5 feet
thence North 18 Degrees 43 Minutes 48 Seconds East 70.8 feet
thence North 18 Degrees 52 Minutes 30 Seconds East 69.8 feet
thence North 19 Degrees 07 Minutes 21 Seconds East 67.9 feet
thence North 19 Degrees 07 Minutes 28 Seconds East 64.7 feet
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thence North 20 Degrees 23 Minutes 01 Seconds East 62.1 feet
thence North 23 Degrees 40 Minutes 56 Seconds East 59.8 feet
thence North 30 Degrees 09 Minutes 35 Seconds East 58.7 feet
thence North 34 Degrees 31 Minutes 45 Seconds East 58 feet
thence North 35 Degrees 07 Minutes 10 Seconds East 57.5 feet
thence North 35 Degrees 59 Minutes 00 Seconds East 53.8 feet
thence North 37 Degrees 11 Minutes 22 Seconds East 47.9 feet
thence North 36 Degrees 33 Minutes 07 Seconds East 15 feet
thence North 36 Degrees 37 Minutes 04 Seconds East 27.7 feet
thence North 35 Degrees 29 Minutes 39 Seconds East 36.8 feet
thence North 35 Degrees 21 Minutes 24 Seconds East 29.3 feet
thence North 36 Degrees 39 Minutes 39 Seconds East 9 feet
thence North 14 Degrees 30 Minutes 55 Seconds East 5.9 feet
thence North 37 Degrees 00 Minutes 40 Seconds East 1.7 feet
thence North 36 Degrees 57 Minutes 30 Seconds East 21.7 feet
thence North 36 Degrees 30 Minutes 24 Seconds East 37.4 feet
thence North 35 Degrees 33 Minutes 28 Seconds East 39.1 feet
thence North 37 Degrees 22 Minutes 12 Seconds East 38.9 feet
thence North 38 Degrees 06 Minutes 00 Seconds East 36.3 feet
thence North 37 Degrees 01 Minutes 03 Seconds East 32.4 feet
thence North 35 Degrees 40 Minutes 07 Seconds East 27.3 feet
thence North 33 Degrees 56 Minutes 35 Seconds East 15.3 feet
```

thence North 33 Degrees 55 Minutes 22 Seconds East 1 feet more or less to **the ending point** at: 37 degrees 11 minutes 10.84 seconds North Latitude and -112 degrees 39 minutes 10.35 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,304,569.6 feet and Y = 10,033,794.8 feet.

## Appendix I to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 016

Road-Segment Length: 0.19 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 42 South Range 7 West, Section(s) 5, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 016 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 11 minutes 10.84 seconds North Latitude and -112 degrees 39 minutes 10.35 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,304,569.6 feet and Y = 10,033,794.8 feet; thence the following courses along the said road center line:

```
thence South 65 Degrees 35 Minutes 25 Seconds East 7.2 feet thence South 64 Degrees 40 Minutes 14 Seconds East 79.6 feet thence South 64 Degrees 39 Minutes 13 Seconds East 75.4 feet thence South 64 Degrees 46 Minutes 44 Seconds East 4.8 feet thence South 64 Degrees 42 Minutes 15 Seconds East 75.4 feet thence South 64 Degrees 42 Minutes 15 Seconds East 80.4 feet thence South 65 Degrees 23 Minutes 39 Seconds East 77.7 feet thence South 65 Degrees 25 Minutes 02 Seconds East 74.7 feet thence South 65 Degrees 13 Minutes 00 Seconds East 71.2 feet thence South 65 Degrees 14 Minutes 22 Seconds East 75.4 feet 75.4 feet 75.4 feet 75.4 feet 85.6 feet 75.4 fee
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thence South 65 Degrees 15 Minutes 13 Seconds East 51.2 feet thence South 66 Degrees 34 Minutes 55 Seconds East 41 feet thence South 70 Degrees 04 Minutes 04 Seconds East 24.6 feet thence South 80 Degrees 49 Minutes 49 Seconds East 9.2 feet thence South 77 Degrees 40 Minutes 48 Seconds East 12.2 feet thence North 88 Degrees 26 Minutes 53 Seconds East 20.9 feet thence North 66 Degrees 21 Minutes 52 Seconds East 27.4 feet thence North 50 Degrees 45 Minutes 45 Seconds East 33 feet thence North 40 Degrees 53 Minutes 35 Seconds East 31.7 feet thence North 23 Degrees 26 Minutes 28 Seconds East 26.7 feet
```

thence North 04 Degrees 39 Minutes 06 Seconds West 18.1 feet more or less to **the ending point at:** 37 degrees 11 minutes 08.59 seconds North Latitude and -112 degrees 38 minutes 59.84 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,305,417.4 feet and Y = 10,033,556.7 feet.

## Appendix J to Attachment 4

Popular Name: Sand Dunes Road

County: Kane

County Road Number: K1000

State Geographic Information Database (SGID) Road Identification Number: RD130001.

Road-Segment Number: 017

Road-Segment Length: 0.29 miles more or less.

Believed owner of the land underlying this road-segment is: Bureau of Land Management.

The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 42 South Range 7 West, Section(s) 5, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (Sand Dunes Road)-- Segment 017 based on mapping grade Global Positioning System (GPS) data as defined above:

Beginning at a point on the road center line located at 37 degrees 11 minutes 10.84 seconds North Latitude and -112 degrees 39 minutes 10.35 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,304,569.6 feet and Y = 10,033,794.8 feet; thence the following courses along the said road center line:

```
thence North 65 Degrees 00 Minutes 36 Seconds West 47.9 feet thence North 64 Degrees 56 Minutes 03 Seconds West 14.6 feet thence North 64 Degrees 08 Minutes 27 Seconds West 116 feet thence North 65 Degrees 36 Minutes 37 Seconds West 25.5 feet thence North 65 Degrees 35 Minutes 25 Seconds West 52.4 feet thence North 65 Degrees 56 Minutes 37 Seconds West 55.8 feet thence North 65 Degrees 53 Minutes 08 Seconds West 59.2 feet thence North 64 Degrees 59 Minutes 32 Seconds West 62.5 feet thence North 64 Degrees 38 Minutes 48 Seconds West 65.9 feet thence North 65 Degrees 02 Minutes 49 Seconds West 69.5 feet thence North 65 Degrees 33 Minutes 34 Seconds West 72.1 feet thence North 65 Degrees 47 Minutes 55 Seconds West 74.3 feet
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thence North 65 Degrees 35 Minutes 47 Seconds West 76.5 feet
thence North 65 Degrees 30 Minutes 51 Seconds West 76.3 feet
thence North 65 Degrees 36 Minutes 29 Seconds West 72.4 feet
thence North 65 Degrees 22 Minutes 48 Seconds West 62.1 feet
thence North 65 Degrees 54 Minutes 19 Seconds West 38.6 feet
thence North 65 Degrees 30 Minutes 35 Seconds West 16.5 feet
thence North 66 Degrees 43 Minutes 31 Seconds West 8.7 feet
thence North 64 Degrees 05 Minutes 17 Seconds West 30.3 feet
thence North 59 Degrees 45 Minutes 34 Seconds West 59.2 feet
thence North 48 Degrees 18 Minutes 36 Seconds West 63.5 feet
thence North 34 Degrees 17 Minutes 40 Seconds West 61.9 feet
thence North 27 Degrees 18 Minutes 01 Seconds West 58.9 feet
thence North 25 Degrees 12 Minutes 28 Seconds West 53.5 feet
thence North 19 Degrees 55 Minutes 25 Seconds West 44.2 feet
thence North 08 Degrees 16 Minutes 28 Seconds West 30.5 feet
thence North 00 Degrees 28 Minutes 03 Seconds West 21.5 feet
```

thence North 06 Degrees 11 Minutes 30 Seconds East 28.8 feet more or less to **the ending point at:** 37 degrees 11 minutes 18.65 seconds North Latitude and -112 degrees 39 minutes 25.26 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,303,373.4 feet and Y = 10,034,599.2 feet.